marantz®

Model SR6001 User Guide

AV Surround Receiver

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (Cable-TV) system installer’s attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE:

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

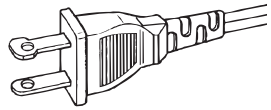
IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternatingcurrent line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



AC POLARIZED PLUG

13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antennadischarge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e. If the product has been dropped or damaged in any way, and

f. When the product exhibits a distinct change in performance this indicates a need for service.

22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

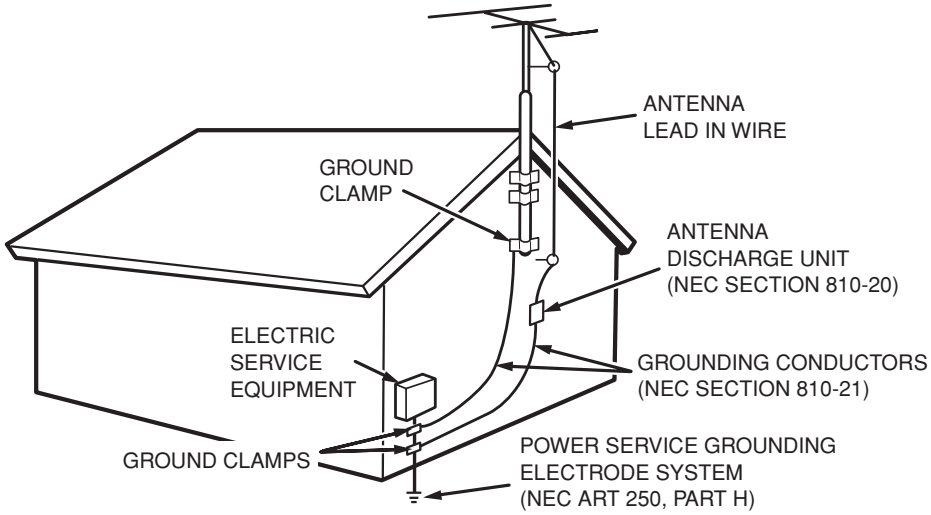
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

FIGURE 1

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA 70



NEC - NATIONAL ELECTRICAL CODE

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

DECLARATION OF CONFORMITY

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

U.S. Responsible Party: **Marantz America, Inc.**
100 Corporate Drive,
Mahwah, NJ, 07430, U.S.A.
TEL: 630-741-0300

Type of Product: AV Surround Receiver

Model: SR6001

TABLE OF CONTENTS

ENGLISH

ENGLISH

INTRODUCTION

Thank you for purchasing the Marantz SR6001 Surround receiver.
This remarkable component has been engineered to provide you with many years of home theater enjoyment. Please take a few minutes to read this manual thoroughly before you connect and operate the SR6001.
As there are a number of connection and configuration options, you are encouraged to discuss your own particular home theater setup with your Marantz A/V specialist dealer.

XM Satellite Radio Ready

READY

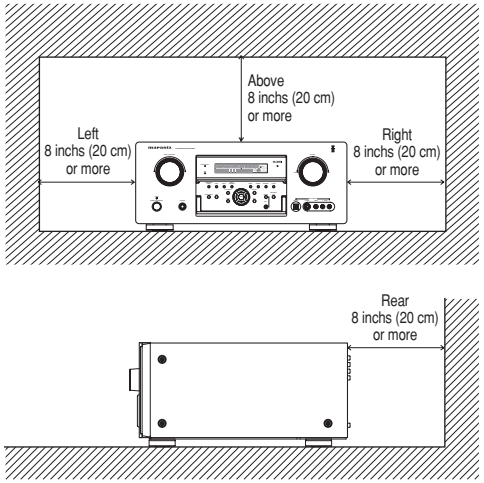
The XM name and related logos are registered trademarks of XM Satellite Radio Inc.

PRECAUTIONS

DO NOT LOCATE IN THE FOLLOWING PLACES

To ensure long-lasting use, do not locate the SR6001 where it is:

- Exposed to direct sunlight.
- Near sources of heat such as heaters.
- In highly humid or poorly ventilated environments.
- Dusty.
- Subjected to mechanical vibrations.
- On wobbly, inclined or otherwise unstable surfaces.
- In locations such as in cramped audio racks where radiated heat is blocked. To ensure proper heat radiation, ensure the below clearance from walls and other equipment.



DESCRIPTION

DIGITAL dts SURROUND

DTS was introduced in 1994 to provide 5.1 channels of discrete digital audio into home theater systems.
DTS brings you premium quality discrete multichannel digital sound to both movies and music.
DTS is a multichannel sound system designed to create full range digital sound reproduction.
The no compromise DTS digital process sets the standard of quality for cinema sound by delivering an exact copy of the studio master recordings to neighborhood and home theaters.
Now, every moviegoer can hear the sound exactly as the moviemaker intended.
DTS can be enjoyed in the home for either movies or music on of DVD's, LD's, and CD's.

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

dts NEO:6

The advantages of discrete multichannel systems over matrix are well known.
But even in homes equipped for discrete multichannel, there remains a need for high-quality matrix decoding. This is because of the large library of matrix surround motion pictures available on disc and on VHS tape; and analog television broadcasts.
The typical matrix decoder of today derives a center channel and a mono surround channel from two-channel matrix stereo material. It is better than a simple matrix in that it includes steering logic to improve separation, but because of its mono, band-limited surround it can be disappointing to users accustomed to discrete multichannel.

Neo:6 offers several important improvements as follow,

- Neo:6 provides up to six full-band channels of matrix decoding from stereo matrix material. Users with 6.1 and 5.1 systems will derive six and five separate channels, respectively, corresponding to the standard home-theater speaker layouts.
- Neo:6 technology allows various sound elements within a channel or channels to be steered separately, and in a way which follows naturally from the original presentation.
- Neo:6 offers a music mode to expand stereo nonmatrix recordings into the five- or six-channel layout, in a way which does not diminish the subtlety and integrity of the original stereo recording.

EXTENDED dts ES SURROUND

DTS-ES Extended Surround is a new multichannel digital signal format developed by Digital Theater Systems Inc. While offering high compatibility with the conventional DTS Digital Surround format, DTS-ES Extended Surround greatly improves the 360-degree surround impression and space expression thanks to further expanded surround signals. This format has been used professionally in movie theaters since 1999.
In addition to the 5.1 surround channels (FL, FR, C, SL, SR and LFE), DTS-ES Extended Surround also offers the SB (Surround Back) channel for surround playback with a total of 6.1 channels. DTS-ES Extended Surround includes two signal formats with different surround signal recording methods, as DTS-ES Discrete 6.1 and DTS-ES Matrix 6.1.

"DTS", "DTS-ES and "Neo:6" are trademarks of Digital Theater Systems, Inc.

dts 96/24

The stereo CD is a 16-bit medium with sampling at 44.1 kHz. Professional audio has been 20- or 24-bit for some time, and there is increasing interest in higher sampling rates both for recording and for delivery into the home. Greater bit depths provide extended dynamic range. Higher sampling rates allow wider frequency response and the use of anti-alias and reconstruction filters with more favorable aural characteristics.

DTS 96/24 allows for 5.1channel sound tracks to be encoded at a rate of 96kHz/24bits on DVD-Video titles.
When DVD-video appeared, it became possible to deliver 24-bit, 96 kHz audio into the home, but only in two channels, and with serious limitations on picture. This capability has had little use.
DVD-audio allows 96/24 in six channels, but a new player is needed, and only analog outputs are provided, necessitating the use of the D/A converters and analog electronics provided in the player.

DTS 96/24 offers the following:

1. Sound quality transparent to the original 96/24 master.
2. Full backward compatibility with all existing decoders. (Existing decoders will output a 48 kHz signal)
3. No new player required: DTS 96/24 can be carried on DVD-video, or in the video zone of DVD-audio, accessible to all DVD players.
4. 96/24 5.1-channel sound with full-quality full-motion video, for music programs and motion picture soundtracks on DVD-video.

"DTS" and "DTS 96/24" are trademarks of Digital Theater Systems, Inc.

DOLBY DIGITAL • EX PRO LOGIC IIx

Dolby Digital identifies the use of Dolby Digital audio coding for such consumer formats as DVD and DTV. As with film sound, Dolby Digital can provide up to five full-range channels for left, center, and right screen channels, independent left and right surround channels, and a sixth (".1") channel for low-frequency effects.

Dolby Surround Pro Logic Ⅱ is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround program material; provides a convincing three-dimensional soundfield on conventional stereo music recordings; and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully compatible with Dolby Surround Pro Logic Ⅱ decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic Ⅱ playback, including separate left and right surround channels. (Such material is also compatible with conventional Pro Logic decoders.)

Dolby Digital EX creates six full-bandwidth output channels from 5.1-channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording. For best results, Dolby Digital EX should be used with movies soundtracks recorded with Dolby Digital Surround EX.

About Dolby Pro Logic Ⅱx

Dolby Pro Logic Ⅱx technology delivers a natural and immersing 7.1-channel listening experience to the home theater environment. A product of Dolby's expertise in surround sound and matrix decoding technologies, Dolby Pro Logic Ⅱx is a complete surround sound solution that maximizes the entertainment experience from stereo as well as 5.1-channel encoded sources.

Dolby Pro Logic Ⅱx is fully compatible with Dolby Surround Pro Logic technology and can optimally decode the thousands of commercially available Dolby Surround encoded video cassettes and television programs with enhanced depth and spatiality. It can also process any high-quality stereo or Advanced Resolution 5.1-channel music content into a seamless 6.1- or 7.1-channel listening experience.

The Dolby Headphone technology provides a surround sound listening experience over headphones.
When listening to multichannel content such as DVD movies over headphones, the listening experience is fundamentally different than listening to speakers. Since the headphone speaker drivers are covering the pinna of the ear, the listening experience differs greatly from traditional speaker playback. Dolby utilizes patented headphone perspective curves to solve this problem and provides a non-fatiguing, immersive, home theater listening experience. Dolby Headphone also delivers exceptional 3D audio from stereo material.

DOLBY VIRTUAL SPEAKER

Dolby Virtual Speaker is a technologycertified by Dolby Laboratories that creates a virtualized surround sound experience from two speakers using a multichannel Dolby Digital source. Additionally, Dolby Virtual Speaker can simulate the surround sound effect produced by Dolby Pro Logic or Dolby Pro Logic Ⅱ.
Dolby Virtual Speaker retains all the original Multichannel audio information and provides the listener with the sensation of being surrounded by additional speakers.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

SRS Circle Surround II

Circle Surround Ⅱ (CS-Ⅱ) is a powerful and versatile multichannel technology. CS-Ⅱ is designed to enable up to 6.1 multichannel surround sound playback from mono, stereo, CS encoded sources and other matrix encoded sources. In all cases the decoder extends it into 6 channels of surround audio and a LFE/subwoofer signal. The CS-Ⅱ decoder creates a listening environment that places the listener "inside" music performances and dramatically improves both hi-fi audio conventional surround-encoded video material. CS-Ⅱ provides composite stereo rear channels to greatly improve separation and image positioning– adding a heightened sense of realism to both audio and A/V productions.
CS-Ⅱ is packed with other useful feature like dialog clarity (SRS Dialog) for movies and cinema-like bass enrichment (TruBass). CS-Ⅱ can enable the dialog to become clearer and more discernable in movies and it enables the bass frequencies contained in the original programming to more closely achieve low frequencies–overcoming the low frequency limitations of the speakers by full octave.

Circle Surround Ⅱ, Dialog Clarity, TruBass, SRS and ● symbol are trademarks of SRS Labs, Inc.
Circle Surround Ⅱ, Dialog Clarity and TruBass technology are incorporated under license from SRS Labs, Inc.

Microsoft® HDCD®

HDCD® (High Definition Compatible Digital ®) is a patented process for delivering on Compact Disc the full richness and details of the original microphone feed.
HDCD encoded CDs sound better because they are encoded with 20-bits of real musical information as compared to 16-bits for all other CDs.
HDCD overcomes the limitation of the 16-bit CD format by using a sophisticated system to encode the additional four bits onto the CD while remaining completely compatible with the CD format.
When listening to HDCD recordings, you hear more dynamic range, a focused 3-D sound stage, and extremely natural vocal and musical timbre. With HDCD, you get the body, depth and emotion of the original performance not a flat, digital imitation.
HDCD system manufactured under license from Microsoft. This product is covered by one or more of the following: In the United States 5,479,168 5,638,074 5,640,161 5,808,574 5,838,274 5,854,600 5,864,311 5,872,531 and in Australia 669,114 with other patents pending.

HDMI

HDMI, the HDMI and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

AUDYSSEY MULTEQ

There are several factors that can degrade the sound from even the best loudspeakers in a listening room. One of the most important is the interaction of sound from the loudspeakers with large surfaces such as walls, the floor, and the ceiling in the room. Even with careful loudspeaker placement and acoustical treatments, there are significant problems that are caused by room acoustics. These include reflections from nearby surfaces and standing waves that are created between large parallel surfaces in the room. In a home theater the situation is further complicated because there are several listening locations. The effects of room acoustics on the sound arriving at each person's ears are very different and the result is a listening experience that is degraded in a different way for every person in the room. It is not uncommon to have variations in two adjacent seats that are as large as 10 dB, particularly in the frequency range below 250 Hz.

The solution to this problem is to apply room correction after precisely measuring how each loudspeaker interacts with the room. Because the room causes variations in the frequency response of the loudspeakers that are so large from seat to seat, it is important to measure each loudspeaker at several locations in the listening room. This should be done even if there is only one listener. Measurement at a single location is not representative of the acoustical problems in the room and will in most cases, degrade overall performance. Audyssey MultEQ is the only technology that can achieve room correction for multiple listeners in a large listening area. It does so by combining the data collected at several points in the room from each loudspeaker and then applying correction that minimizes the acoustical effects of the room and is matched to the frequency resolution of human perception (known as psychoacoustics). Furthermore, MultEQ correction is applied both in frequency and time domains and so there are no artifacts (such as smearing of sound or modal ringing)that are sometimes associated with traditional methods of room equalization.

In addition to correcting frequency response problems over a wide listening area, Audyssey MultEQ provides a completely automated sound system set-up process. It identifies how many loudspeakers are connected to the amplifiers and whether they are full-range, satellites, or subwoofers. If there is a least one subwoofer connected, Audyssey MultEQ determines the optimum crossover frequency between each satellite and the subwoofer(s). It automatically checks the polarity of each loudspeaker and alerts the user if there are any that may be wired out-of-phase relative to the others. It measures the distance to each loudspeaker from the main listening position and adjusts the delays so that sound from each loudspeaker arrives at the same time. Finally, Audyssey MuitEQ determines the playback level of each loudspeaker and adjusts the volume trims so that all levels are equal.

AUDYSSEY MULTEQ

FEATURES

The SR6001 incorporates the latest generation of digital surround sound decoding technology such as Dolby Digital EX, Dolby Digital, DTS ES (Discrete 6.1 and Matrix 6.1), DTS Neo:6 (Cinema, Music), Dolby Pro-Logic Ⅱ (Movie, Music and Game), Dolby Pro-Logic Ⅱx (Movie, Music and Game), Circle Surround Ⅱ (Cinema, Music and Mono).
In addition, Marantz has focused on the future. By utilizing pre-out jacks, 7.1 direct inputs and a RS-232C communication port, the SR6001 is tomorrow's technology, today!

The SR6001 incorporates the most advanced Digital Signal Processing circuitry, along with a 192 kHz/24 bit D/A converter in each of the 7 channels. Independent power supply circuits are incorporated for the FL display, audio and video sections for maximum separation, clarity and dynamic range. Together with hand-selected customized components, all elements work in harmony to recreate the emotion, exactly as the artist had intended.

The SR6001 is designed and engineered with extensive feedback from custom installation experts, dealers and consumers. It features multi-room/ multisource, assignable DC trigger, a RS-232C communication port, Flasher input, heavy duty speaker binding posts and an extensive array of both analog and digital inputs / outputs. With 5 assignable digital inputs (6 total), 4 component inputs, Super Audio CD Multi Channel (7.1 channel) direct inputs, video convert system and a speaker-B and OSD output versatility is taken to a stunning new level. Furthermore, the SR6001 can output the OSD information through the Y/C (S-video) and composite video outputs.

An easy-to-use programmable, learning remote control allows full access to all of the operating functions and can be used for system operation as well.

The new generation of Marantz Receivers is stylish and completely symmetrical. On the front panel of the SR6001, buttons are kept to a minimum. Source selectors and volume controls are intuitively placed.
The SR6001 is here to perform in your unrivaled home entertainment setup.

• HDMI

HDMI (High-Definition Multimedia Interface) is an enhancement to the DVI (Digital Visual Interface) standard. It adds capabilities for digitally transmitting audio signals in addition to video signals. Where multiple cables were previously needed for audio/ video, HDMI enables audio/video connection via a single cable.
The HDMI input jacks of this receiver support HDMI Ver. 1.2. and the HDMI output jacks of this transmitter support HDMI Ver. 1.1.
Ver. 1.2 supports 1-bit audio formatting and enables transmission of DSD (Direct Stream Digital) signals of Super Audio CD.

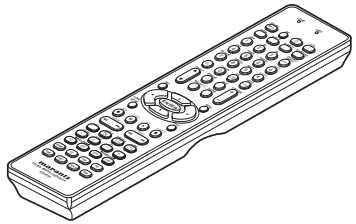
Copyright Protection

This receiver supports HDCP (High-bandwidth Digital Content Protection). HDCP is copyright protection technology that consists of data encoding and other device authentication. Its purpose is to protect digital video content. Both this receiver and the connected component (such as a video player or monitor) must support HDCP. Before connecting a component to this receiver, refer to its instruction manual.

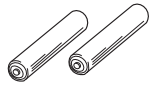
- Dolby Digital EX, Dolby Digital, DTS ES (Discrete 6.1, Matrix 6.1, Neo:6)
- Dolby Pro Logic Ⅱ (Movie, Music, Game)
- Dolby Pro Logic Ⅱx (Movie, Music, Game)
- Circle Surround Ⅱ (Cinema, Music, Mono)
- Audyssey Mult EQ
- 7 × 100 Watts (8 Ohms), Discrete Amplifiers
- High Power Current Feedback Circuitry
- Massive Energy Power Supply, Huge EI Transformer, Large ELCO's.
- 192 kHz/24 bit DAC for all 8 Channels
- 32 bit Digital Surround Processing Chipsets
- Video Off Mode
- Large Heavy Duty Speaker Terminals for all Channels
- RS-232C Terminal for Future Upgrade or System Control
- Set Up Menu via all Video Output (Composite, S-Video, Component video and HDMI)
- Auto Input Signal Detection
- Improved Station Name Input Method, 60 Presets
- Auto Adjust Function for Speaker Distance Settings (Delay Time)
- Front Optical AUX Input (Digital Camera, Portable DVD)
- Programmable, learning remote control
- Video convert system HDMI ← Component Video ↔ S-Video ↔ Composit Video
- Video I/P Converter
- Assignable Video Input
- Lip Sync (Audio Delay)
- Function Rename
- HDCD
- Dolby Headphone
- Bi-amp drive
- Source/Pure Direct mode
- 9 bands x 7 ch GEQ
- DSD direct conversion
- DSD to PCM converter
- Assignable DC Trigger Output
- Flasher Input

ACCESSORIES

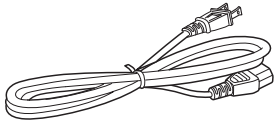
Remote Controller RC5001SR



AAA-size batteries × 2

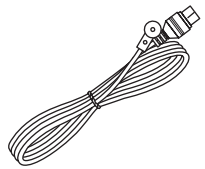


AC cable

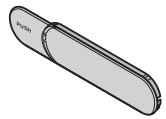


AM Loop Antenna

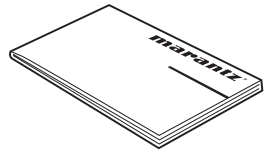
FM Antenna



Front AUX Jack Cover

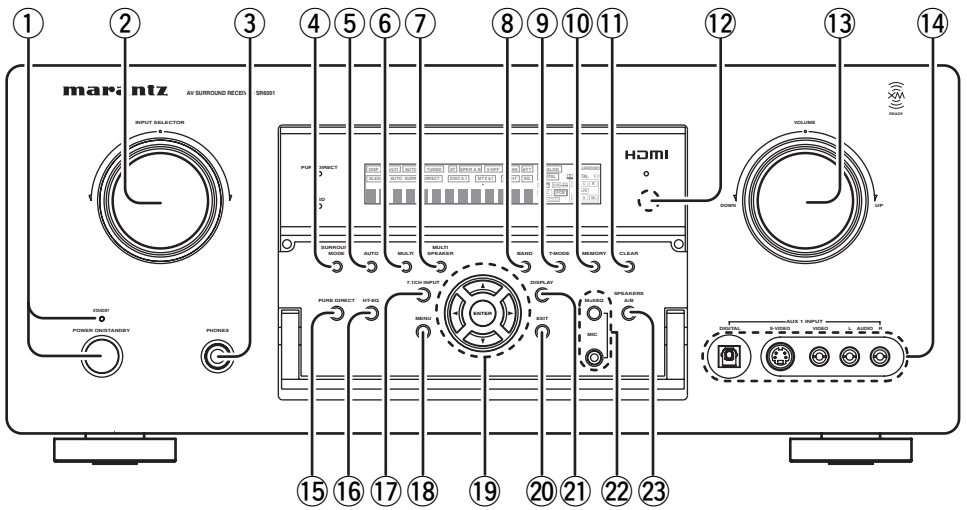


User Guide



Warranty Card
USA × 1
Canada × 1

FRONT PANEL



① POWER switch and STANDBY indicator

When this switch is pressed once, the unit turns ON and the display illuminates. When pressed again, the unit turns OFF and the STANDBY indicator will be illuminated.

② INPUT SELECTOR knob (AUDIO/ VIDEO)

This knob is used to select the input sources.

Note:

- When the input source is set to TUNER, it is possible to select the video source separately.

③ HEADPHONE jack for stereo headphones

This jack may be used to listen to the SR6001's output through a pair of headphones. Be certain that the headphones have a standard 1/4" stereo phono plug. Note that the main room speakers will automatically be turned off when the headphone jack is in use.

Notes:

- When using headphones, the surround mode will change to STEREO and Dolby Headphone by MENU and Cursor button.
- The surround mode returns to the previous setting as soon as the headphone plug is removed from the jack.

④ SURROUND MODE button

You can select the surround mode by pressing this button.

⑤ AUTO (Auto surround) button

Press this button to select the AUTO mode from the surround modes. When this mode is selected, the receiver determines the surround mode corresponding to a digital input signal automatically.

⑥ MULTI (Multi Room) button

Press this button to activate the Multiroom system. "**MULTI**" indicator will be illuminated in the display. (See page 60)

⑦ MULTI SPEAKER button

Press this button to activate the Multiroom Speaker system. "**MULTI**" indicator will be illuminated in the display. (See page 60)

⑧ BAND button

Press this button to switch between FM and AM in the TUNER mode.

⑨ T-MODE button

Press this button to select the auto stereo mode or mono mode when the FM band is selected.
The "**AUTO**" indicator lights in the auto stereo mode. (See page 53)

⑩ MEMORY button

Press this button to enter the tuner preset memory numbers or station names. (See page 54)

⑪ CLEAR button

Press this button to cancel the station-memory setting mode or preset scan tuning. (See page 55)

⑫ INFRARED receiving sensor window

This window receives infrared signals for the remote control.

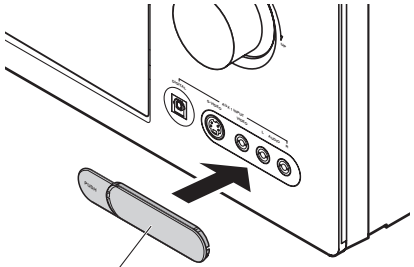
⑬ VOLUME control knob

Adjusts the overall sound level. Turning the control clockwise increases the sound level.

⑭ AUX1 INPUT jacks

These auxiliary video/audio input jacks accept the connections of a camcorder, portable DVD, game etc. When not using these jacks, protect with the included jack covers.

How to Attach the Front AUX Jack Cover



Front AUX Jack Cover

⑮ PURE DIRECT button and indicator

When this button is pressed once, "**SOURCE DIRECT**" appears on the FL display. If pressed again, "**PURE DIRECT**" appears. After 2 seconds, the FL display indication goes out.
In the source/pure direct mode, the tone control circuitry and bass management are bypassed.

Notes:

- The surround mode is automatically switched to AUTO when the pure direct function is turned on.
- Additionally, speaker configurations are fixed automatically as follows.
  Front SPKR = LARGE
  Center SPKR = LARGE
  Surround SPKR = LARGE
  Surround Back SPKR = LARGE
  Sub woofer = YES

⑯ HT-EQ button

Press this button to switch between HT-EQ ON/Off.

⑰ 7.1CH INPUT button

Press this button to select the output of an external multichannel player.

⑱ MENU button

This button is used to enter the SETUP MAIN MENU.

⑲ Cursor (▲, ▼, ◄, ►) / ENTER button

Use these buttons when operating the SETUP MAIN MENU and TUNER function.

⑳ EXIT button

This button is used to exit from the SETUP MAIN MENU.

㉑ DISPLAY button

When this button is pressed, the FL display mode is changed as Input display → Surround Mode → Auto-display Off → Display Off → Function name display and the display off indicator (**DISP**) lights up is condition DISPLAY OFF.

㉒ MultEQ button / MIC jack

Press to automatically measure speaker characteristics using the microphone. (See page 32)

Note:

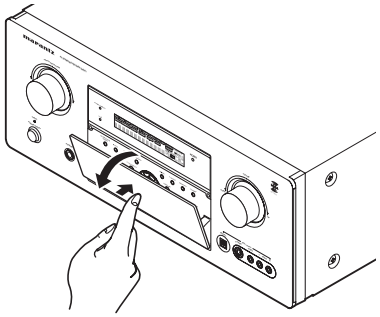
- A special microphone (option) is needed to use the MultiEQ function. (See page 32)

㉓ SPEAKER A/B button

Press this button to select speaker systems A and/or B.

Opening and closing the front panel door

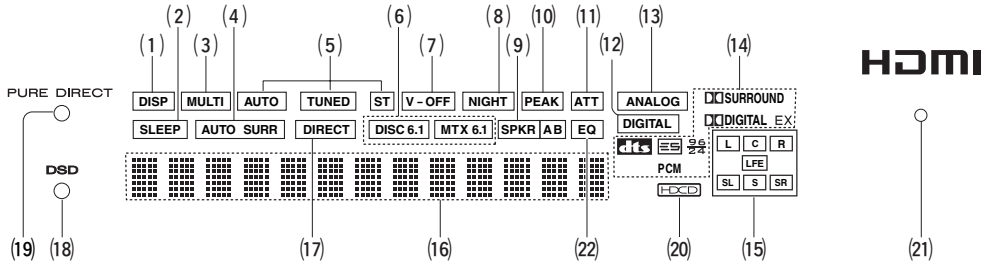
When you want to use the controls behind the front panel door, open the door by gently pressing on the lower part of the panel. Keep the door closed when not using these controls.



Caution:

- Be careful not to pinch your fingers between the door and the panel.

FL DISPLAY AND INDICATOR



(1) DISP (Display Off) indicator

This indicator is illuminated when the SR6001 is in the display off condition.

(2) SLEEP timer indicator

This indicator is illuminated when the sleep timer function in the main-room is in use.

(3) Multi-room system indicator

This indicator is illuminated when the multi-room system is active.

(4) AUTO SURR (Auto Surround mode) indicator

This indicator is illuminated to show that the AUTO SURROUND mode is in use.

(5) TUNER's indicators

AUTO : This indicator illuminates when the tuner's Auto mode is in use.

TUNED : This indicator illuminates when a station is being received with sufficient signal strength to provide acceptable listening quality.

ST(Stereo) : This indicator illuminates when an FM station is being tuned into stereo condition.

(6) DTS-ES mode indicators (DISC6.1, MTX6.1)

These indicators will illuminate to show the DTS-ES decoding mode (Discrete 6.1 or Matrix 6.1).

(7) V (video)-OFF mode indicator

This indicator is illuminated when the Video-OFF function is active.

(8) NIGHT mode indicator

This indicator is illuminated when the SR6001 is in the Night mode, which reduces the dynamic range of digital program material at low volume levels.

(9) SPKR (speaker) AB indicator

Active speaker system will be illuminated by this indicator.

(10) PEAK indicator

This indicator is a monitor for an analog audio input signal. If the selected analog audio input signal is greater than the capable level of internal processing, this will illuminate. If this happens, you should press the **ATT** button on the remote. (See page 10)

(11) ATT (Attenuation) indicator

This indicator is illuminated when the attenuation function is active.

(12) DIGITAL Input Indicator

This indicator lights when a digital input has been selected.

(13) ANALOG input indicator

This indicator is illuminated when an analog input source has been selected.

(14) SIGNAL FORMAT indicators

DIGITAL

This indicator is illuminated when a Dolby Digital signal is input.

EX

This indicator is illuminated when a Dolby Digital EX signal is input.

dts

This indicator is illuminated when a DTS signal is input.

ES

This indicator is illuminated when a DTS ES signal is input.

96/24

This indicator is illuminated when a DTS 96/24 signal is input.

PCM

This indicator is illuminated when the input signal is PCM (pulse code modulation).

SURROUND

This indicator is illuminated when a Dolby Surround signal is input.

(15) ENCODED CHANNEL STATUS indicators

These indicators display the channels that are encoded with a digital input signal. If the selected digital input signal is Dolby Digital 5.1ch or DTS 5.1ch, "**L**", "**C**", "**R**", "**SL**", "**SR**" and "**LFE**" will be illuminated.If the digital input signal is 2 channel PCM-audio, "**L**" and "**R**" will be displayed.

If Dolby Digital 5.1ch signal with Surround EX flag or DTS-ES signal comes in, "**L**", "**C**", "**R**", "**SL**", "**S**" , "**SR**" and "**LFE**" will be illuminated.

(16) Main Information Display

This display shows messages relating to the status, input source, surround mode, tuner, volume level or other aspects of unit's operation.

(17) SOURCE DIRECT indicator

This indicator is illuminated when the SR6001 is in the SOURCE DIRECT mode.

(18) DSD indicator

This indicator illuminates when a DSD (Direct Stream Digital) signal of an Super Audio CD is input via the audio signal included in the HDMI input signal.

(19) PURE DIRECT indicator

This indicator is illuminated when the SR6001 is in the PURE DIRECT mode.

(20) HDCD indicator

When HDCD signal is decoded, this indicator will light up.

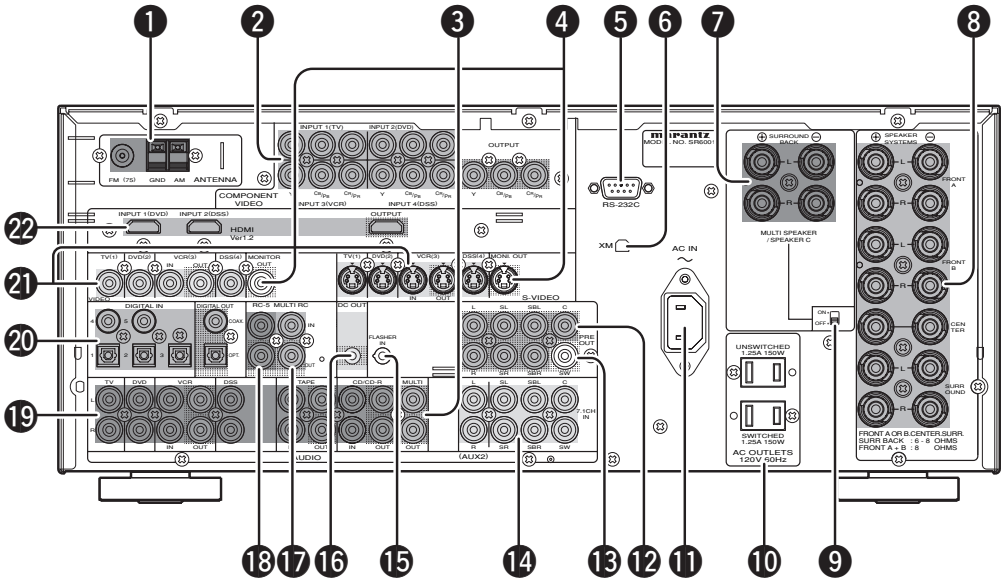
(21) HDMI indicator

This indicator illuminates when an HDMI device is connected to the input and a link is established.

(22) EQ indicator

This indicator is illuminated when the EQ MODE is selected to "**AUDDYSSEY**", "**FRONT**" or "**FLAT**".

REAR PANEL



❶ FM antenna terminal (75 ohms)

Connect an external FM antenna with a coaxial cable, or a cable network FM source.

AM antenna and ground terminals

Connect the supplied AM loop antenna. Use the terminals marked “AM” and “GND”. The supplied AM loop antenna will provide good AM reception in most areas. Position the loop antenna until you hear the best reception.

❷ COMPONENT VIDEO INPUT/ OUTPUT

If your DVD player or other device has component video connectors, be sure to connect them to these component video connectors on the SR6001. The SR6001 has 4 component video input connectors to obtain the color information (Y, C_B, C_R) directly from the recorded DVD signal or other video component, and 1 component video output connector to output the information directly into the matrix decoder of the display device.

By sending the pure DVD component video signal directly, the DVD signal forgoes the extra processing that normally would degrade the image. The result is vastly increased image quality, with incredibly life like colors and crisp detail.

❸ Multiroom Output (Audio output)

This is the audio output jack for the Multi zone (Multi room).

Connect these jacks to optional audio power amplifiers to listen the source selected by the multiroom system in a remote room.

❹ MONITOR OUT

These are monitor outputs and each one includes both composite video and S-video configurations. When connecting two video monitors or televisions, be aware that the OSD interface can be used with both MONITOR OUT connections.

❺ RS-232C

The RS-232C port is to be used in conjunction with an external controller to control the operation of the SR6001 by using an external device.

The RS-232C port may also be used in the future to update the operating software of the SR6001 so that it will be able to support new digital audio formats and the like as they are introduced.

❻ XM terminal

See page 23 for connecting information.

❼ Speaker outputs terminals (SURROUND BACK / MULTI SPEAKER / SPEAKER C)

Two terminals are provided for the front left, and right speakers for multi room (2nd zone) or surround back.

The terminals can be used to connect a third set of speakers by setting the SPEAKER C selector switch to ON. For connection and use, see page 24.

❽ Speaker outputs terminals

Seven terminals are provided for the front (A) left, front (A) right, front (B) left, front (B) right, front center, surround left, and surround right speakers.

❾ SPEAKER C switch

Set to ON to connect a bi-amp to this receiver or set to OFF for normal speaker connection (surround back and multiroom speakers). (See page 24)

❿ AC OUTLETS

Connect the AC power cables of components such as a DVD and CD player to these outlets. SWITCHED and UNSWITCHED outlets are provided.

The one marked SWITCHED provides power only when the SR6001 is turned on and is useful for components which you use every time you play your system.

The one marked UNSWITCHED is always live as long as the SR6001 is plugged into a live outlet.

A component connected here may be left on permanently, or may be switched off with via its own power switch.

Caution:

- In order to avoid potential turn-off thumps, anything plugged into these outlets should be powered up before the SR6001 is turned on.
- The capacity of this AC outlet is 150W. Do not connect devices that consume electricity more than the capacity of these AC outlets. If the total power consumption of the connected devices exceeds the capacity, the protection circuit shuts down the power supply.

⓫ AC INLET

Plug the supplied power cord into this AC INLET and then into the power outlet on the wall.

SR6001 can be powered by 120V AC only.

⓬ Preamp Outputs (L, R, SL, SR, SBL, SBR, C)

Jacks for L (front left), R (front right), C (Center), SL (surround left), SR (surround right), SBL (surround back left) and SBR (surround back right).

Use these jacks for connection to external power amplifiers.

⓭ Subwoofer Output

Connect this jack to the line level input of a powered subwoofer. If an external subwoofer amplifier is used, connect this jack to the subwoofer amplifier input. If you are using two subwoofers, either powered or with a 2 channel subwoofer amplifier, connect a “Y” connector to the subwoofer output jack and run one cable from it to each subwoofer amplifier.

⓮ 7.1 CHANNEL or AUX2 INPUT

By connecting a DVD Audio player, Super Audio CD multichannel player, or other components that has a multichannel port, you can playback the audio with 5.1 channel or 7.1 channel outputs.

⓯ FLASHER IN (Flasher input terminal)

These terminals are to control the unit from each zone. Connect the control signal from a Keypad, etc.

⓰ DC TRIGGER output terminal

Connect a device that needs to be triggered by DC under certain conditions (screen, power strip, etc…) Use the system OSD setup menu to determine the conditions by which these jack will be active.

Note:

- This output voltage is for (status) control only, It is not sufficient for drive capability.

⓱ MULTI ROOM REMOTE IN/OUT terminals

IN: Connect to a multi-room remote control device, available from your Marantz dealer.

OUT: Connect to the Marantz component equipped with remote control (RC-5) terminals in Multi zone (Multi room).

⓲ REMOTE CONT. IN/OUT terminals

Connect to a Marantz component equipped with remote control (RC-5) terminals.

⑲ AUDIO IN/OUT (TV, DVD, VCR, DSS, TAPE, CD/CDR)

These are the analog audio inputs and outputs. There are 6 audio inputs and 3 audio outputs. The audio jacks are nominally labeled for cassette tape decks, compact disc players, DVD players and etc.... The audio inputs and outputs require RCA-type connectors.

⑳ DIGITAL INPUT (Dig.1 - 5) / OUTPUT (coaxial, optical)

These are the digital audio inputs and outputs. There are 2 digital inputs with coaxial jacks, 3 with optical jacks.
The inputs accept digital audio signals from a compact disc, LD, DVD, or other digital source component.
For digital output, there is 1 coaxial output and 1 optical output.
The digital outputs can be connected to MD recorders, CD recorders, DAT decks, or other similar components.

㉑ VIDEO IN/OUT (TV, DVD, VCR, DSS)

These are the video inputs and outputs. There are 4 video inputs and 1 video output and each one includes both composite video and S-video configurations. Connect VCRs, DVD players, and other video components to the video inputs.
The 1 video output channel can be used to connected to video tape recorders for making recordings.

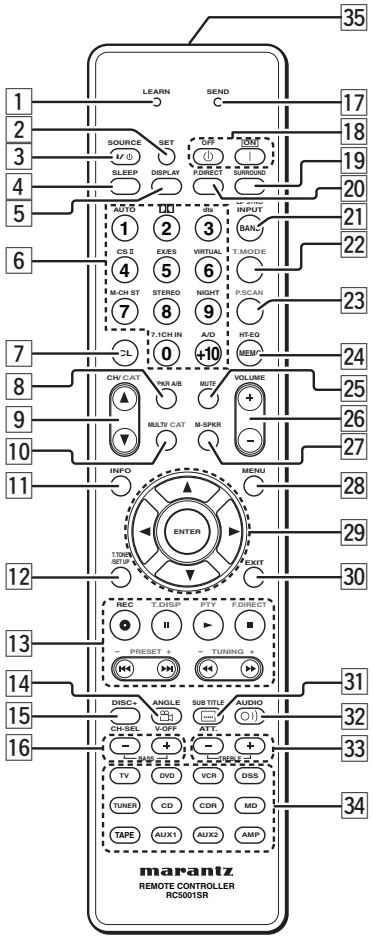
㉒ HDMI INPUT / OUTPUT

This unit has 2 HDMI inputs and 1 HDMI output. The input function can be selected from the OSD menu system. (See page 19)

REMOTE CONTROL OPERATION

FUNCTION AND OPERATION

The provided remote control unit is a universal remote controller. The **POWER** button, numeric buttons and control buttons are used in common across different input source components.
The input source controlled with the remote control unit changes when one of the input selector buttons is pressed.



1 LEARN indicator

Indicates when the remote controller is in the LEARN mode.

2 SET button

This button is used to enter learn mode and preset mode.

3 ⏻ / | SOURCE ON/OFF button

This button is used to turn a specific source (such as a DVD player) on or off independently from the rest of the system.

4 SLEEP button

This button is used for setting the sleep timer.

5 DISPLAY button

Selects the display mode for the front display of the SR6001.

6 Numeric buttons

These buttons are used to switch between 0 to +10 of the source components.
If the source is set to the amplifier, these buttons are used to perform operations.

(When AMP mode is selected)

1/AUTO button
Used to select auto surround.

2/Dolby button
Used to select DOLBY mode.

3/dts button
Used to select dts mode.

4/CSII button
Used to select CSII mode.

5/EX/ES button
Used to select EX/ES mode.

6/VIRTUAL button
Used to select VIRTUAL mode.

7/M-CH ST button
Used to select Multi Channel Stereo.

8/STEREO button
Used to select STEREO mode.

9/NIGHT button
Pressing this button prevents the Dolby Digital signal from playback at a loud voice. This function reduces the voice by 1/3 to 1/4 at maximum. Thus, it eliminates the occurrence of an abruptly loud voice at night. However, the function is valid only in the case when the Dolby Digital signal is entered into OPTICAL or COAXIAL and data to compress the voice exists in the signal to be played back.
When this button is pressed, the "**NIGHT**" indicator is illuminated.

0/7.1CH IN button
Press this button to select the output of an external multi channel decoder.

(+10) A/D button
Used to switch between the analog and digital inputs.

7 CL (Clear) button

This button is used to erase the memory or program of a source.

8 SPKR A/B button

Used to select the speaker system.
The speaker system is switched in the following sequence.
A → B → A+B → off

9 CH/CAT▲ (UP) / ▼ (DOWN) buttons

These buttons are used to change channels.

10 MULTI/CAT button

(When AMP mode is selected)
Used to turn on and off multi room.

11 INFO button

(When AMP mode is selected)
When this button is pressed, the current setting are displayed on the TV monitor.

12 T.TONE/SET UP button

(When AMP mode is selected)
Used to enter the test tone menu.

ENGLISH

13 CONTROL buttons
These buttons are used when operating PLAY, STOP, PAUSE and other commands of a source.

(When TUNER mode is selected)

T.DISP button
Used to select the display mode in RDS.

PTY button
Used to display the programme type information of the current station.

F.DIRECT button
Used to select the "Frequency direct input".

PRESET +/- buttons
Used to select a preset station up and down.

TUNING +/- buttons
Used to tune a frequency station up and down.

14 ANGLE/V-OFF buton
(When AMP mode is selected)
Used to turn off the video signal.

15 DISC+/CH. SEL button
(When AMP mode is selected)
Used to call up SETUP MAIN MENU and adjust speaker levels or 7.1 ch input level.

16 BASS +/- buttons
These buttons are used to adjust the tone control of low frequency sound for left, right and subwoofer speaker.

17 SEND indicator
Indicates when the remote controller is transmitting a signal.

18 ⏻ / | POWER ON and OFF buttons
(When AMP mode is selected)
These buttons are used to turn the SR6001 on or off.

19 SURROUND button
This button is used to selects the surround mode.

20 P.DIRECT button
When this button is pressed, the tone control circuit is bypassed.

21 BAND/LIP SYNC/INPUT button
(When TUNER mode is selected)
Used to select a radio band.

(When AMP mode is selected)
Used to select LIP SYNC mode.

(When TV mode is selected)
Used to select monitor input.

22 T.MODE button
(When TUNER mode is selected)
Used to select auto stereo mode or mono mode when the FM band is selected.
The "**AUTO**" indicator lights in the auto stereo mode.

23 P.SCAN button
(When TUNER mode is selected)
Used to start preset scan.

24 MEMO/HT-EQ button
This button is used to store setting to memory or program a source.

(When AMP mode is selected)
Used to turn on or off HT(Home Theater)-EQ mode. This mode compensates for the audio portion of a movie sounding "bright".

25 MUTE button
This button is used to mute the audio for the amplifier and television.

Note:

Set the AMP mode to use this button with the SR6001.

26 VOLUME +/- buttons
This button is used to adjust the volume for the amplifier and television.

Note:

Set the AMP mode to use this button with the SR6001.

27 M-SPKR button
(When AMP mode is selected)
Used to turn on and off multi speaker.

28 MENU button
(When AMP mode is selected)
This button is used to call up the SETUP MAIN MENU of the SR6001.

29 ◀,▶,▲,▼(CURSOR) / ENTER buttons
These buttons are used when controlling the cursor of the SR6001, DVD or other AV equipment.

30 EXIT button
(When AMP mode is selected)
This button is used to cancel setting in the setup menu.

31 SUBTITLE/ATT. button
(When AMP mode is selected)
When the input signal is too high and the voice distorts even by throttling the SR6001 VOLUME control, turn on this function.
"**ATT**" is indicated when this function is activated.
The input level reduced. Attenuator is invalid for the output signal of "REC OUT".

Note:

This function is unavailable while the digital input is selected.

32 AUDIO buttons
(When DVD mode is selected)
Used to select one of the audio language.

33 TREBLE +/- buttons
These buttons are used to adjust the tone control of high frequency sound for left and right speaker.

34 SOURCE button
These buttons are used to switch the source of your A/V Receiver / amplifer. Each time a source button is pressed, the remote control changes to the source which was pressed.
This remote control can control 12 types of equipment. To change the A/V Receiver / amplifier source, press this button twice within two seconds. The signal is sent when it is pressed the second time.

Note:

Select the AMP as the source to use this remote controll with the SR6001.

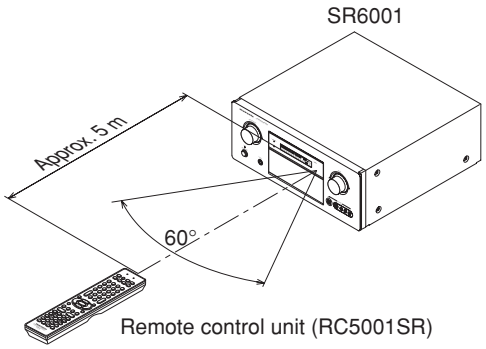
35 Infrared Transmitter and Learning Sensor
This transmitter emits infrared light. Press the buttons while pointing the transmitter towards the infrared receiver window of the SR6001 or other AV equipment. Be sure to also point towards other remote controls when using the learning function.

OPERATION OF REMOTE CONTROL UNIT

REMOTE CONTROL

The distance between the transmitter of the remote control and the IR SENSOR of the SR6001 should be less than 5 meters. If the remote control is pointed in a direction other than the IR SENSOR or if there is an obstacle between them, use of the remote control may not be possible.

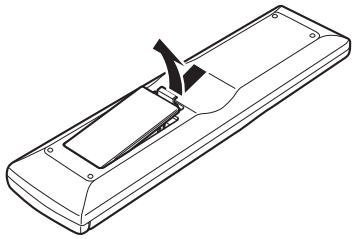
Remote-controllable range



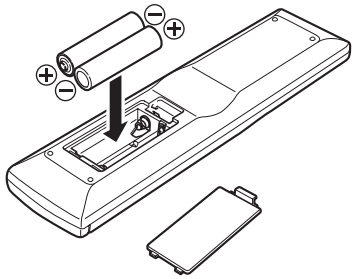
LOADING BATTERIES

The life of the batteries used with the remote control is about 4 months with normal use. Also be sure to replace batteries earlier when you notice that they are getting weak.

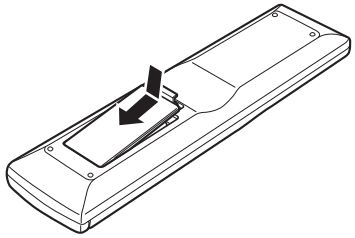
1. Remove the back cover.



2. Insert the new batteries (AAA type) with correct ⊕ and ⊖ polarity.



3. Close the cover until it clicks.



Notes:

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

CAUTIONS ON BATTERIES

- Use “AAA” type batteries in this remote control unit.
- We recommend that you use alkali batteries.
- If the remote control unit does not operate from close to the main unit, replace the batteries with new ones, even if less then a year has passed.
- The included battery is only for verifying operation. Replace it with a new battery as soon as possible.
- When inserting the batteries, be careful to do so in the proper direction, following the + and - marks in the remote control unit’s battery compartment.
- To prevent damage or battery fluid leakage:
  - Do not use a new battery with an old one.
  - Do not use two different types of batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Remove the batteries when not planning to use the remote control unit for a long period of time.
- If the batteries should leak, carefully wipe off the fluid from the inside of the battery compartment, then insert new batteries.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction’s rules that apply in your country or area.

GENERAL INFORMATION OF RC5001SR TO SR6001

To control the SR6001 by your RC5001SR, you have to select the device AMP or TUNER by pressing the **SOURCE** button. Please refer below for the details in AMP and TUNER mode.

AMP MODE

SOURCE ON / OFF	Turns the SR6001 on and off
POWER OFF	Turns the SR6001 off
POWER ON	Turns the SR6001 on
SLEEP	Sets the sleep timer function
DISPLAY	Changes the front display mode
P.DIRECT	Selects the pure direct mode
SURROUND	Selects the surround mode
AUTO (1)	Selects auto surround
DOLBY (2)	Selects DOLBY mode
dts (3)	Selects dts mode
CSII (4)	Selects CSII mode
EX/ES (5)	Selects EX/ES
VIRTUAL (6)	Selects VIRTUAL mode
M-CH ST (7)	Selects Multi Channel Stereo
STEREO (8)	Selects STEREO mode
NIGHT (9)	Turns on or off NIGHT mode
7.1CH IN (0)	Selects the 7.1CH IN
A/D (+10)	Switches between the analog or digital inputs
LIP SYNC / INPUT	Selects the LIP SYNC mode
HT-EQ	Turns on or off HT-EQ mode
SPKR A / B	Selects the speaker system
MULTI / CAT	Turns on or off multi room
MUTE	Decreases the sound temporarily
M-SPKR	Turns on or off multi speaker
VOLUME ▲ / ▼	Adjusts the over all sound level
INFO	Displays the current setting on the monitor
MENU	Enters the "SETUP MENU"
ENTER	Enters the "SETUP MENU" Confirms the setting in "SETUP MENU" mode
CURSOR	Moves the cursor for setting in "SETUP MENU" mode
T.TONE / SET UP	Enters the test tone menu
EXIT	Exits from SETUP MENU
CH-SEL	Calls up SETUP MENU and adjusts speaker levels or 7.1ch input level
V-OFF	Turns on or off video output
ATT.	Reduces the input level
BASS ▲ / ▼	Adjusts the tone control of low frequency sound
TREBLE ▲ / ▼	Adjusts the tone control of high frequency sound
SOURCE	Selects a particular source component

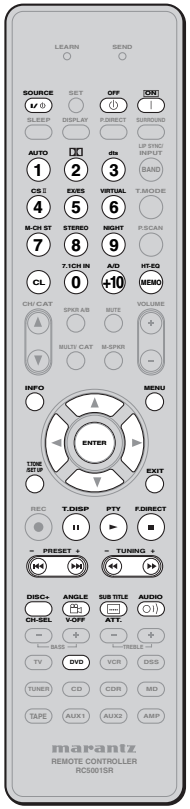
TUNER MODE

0-9	Inputs the numeric
BAND	Selects a radio band
T.MODE	Selects the auto stereo mode or mono mode
P.SCAN	Starts preset scan
CL	Clears the inputting
MEMO	Enters the tuner preset memory numbers
INFO	Shows preset information
T.DISP	Selects the display mode in RDS
F.DIRECT	Selects the “Frequency direct input”
PRESET ▲ / ▼	Selects a preset station up and down
TUNING ▲ / ▼	Tunes a frequency station up and down
MULTI/CAT	Turns XM Category Search mode ON/OFF
CH/CAT	Switches categories in Category Search mode

CONTROLLING MARANTZ COMPONENTS

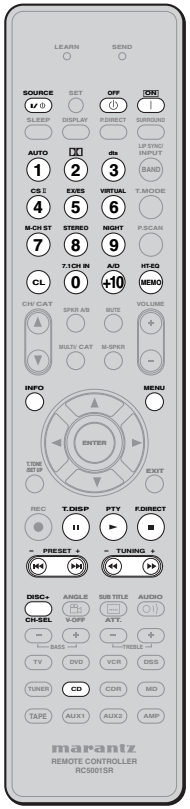
1. Press the desired **SOURCE** button.
2. Press the desired operation buttons to play the selected component.
   - For details, refer to the component's user guide.
   - It may not be possible to operate some models.

CONTROLLING A MARANTZ DVD PLAYER (DVD MODE)



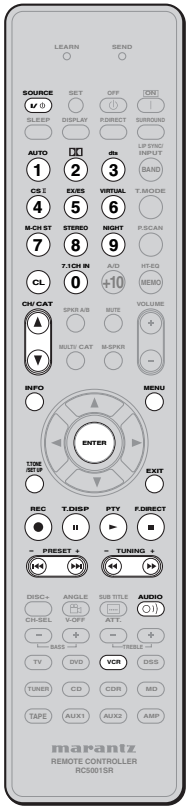
SOURCE ON / OFF	Turns the DVD player on and off
POWER OFF	Turns the DVD player off
POWER ON	Turns the DVD player on
0-9,+10	Inputs the numeric
CL	Clears the inputting
MEMO	Calls up programming menu
INFO	Displays the disc information
MENU	Calls up the menu of DVD disc
ENTER	Enters the setting
CURSOR	Moves the cursor for setting in "On Screen Display" mode
T.TONE / SET UP	Enters the test tone menu
EXIT	Exits from SETUP MENU
T.Tone/Set up	Calls up the setup menu of the DVD player
Pause	Pause
Play	Play
Stop	Stop
Previous/Next	Skips forward or previous chapter/track
Rewind/ Forward	Searchs forward or backward
DISC+	DVD changer next disc
ANGLE	Selects the camera angle
SUBTITLE	Selects the subtitle language
AUDIO	Selects the audio language

CONTROLLING A MARANTZ CD (CD MODE)



SOURCE ON / OFF	Turns the CD player on and off
POWER OFF	Turns the CD player off
POWER ON	Turns the CD player on
0-9	Inputs the numeric
CL	Clears the inputting
MEMO	Programs
INFO	Scrolls the disc information
MENU	Switches the display information
Pause	Pause
Play	Play
Stop	Stop
Previous/ Next	Skips forward or previous track
Rewind/ Forward	Searchs forward or backward
DISC+	CD changer next disc

CONTROLLING A MARANTZ VCR (VCR MODE)



SOURCE ON / OFF	Turns the VCR on and off
0-9,+10	Inputs the numeric
LIP SYNC/INPUT	Selects TV/VCR
CL	Clears the inputting
MEMO	Calls up programming menu
CH ▲ / ▼	Selects VCR channel up or down
MENU	Calls up the menu
ENTER	Enters the setting
CURSOR	Moves the cursor for setting in "On Screen Display" mode
EXIT	Exits the programming menu
REC	Record
Pause	Pause
Play	Play
Stop	Stop
Previous / Next	Skips forward or previous track
Rewind / Forward	Searchs forward or backward
AUDIO	Selects the audio language

CONTROLLING A MARANTZ CD RECORDER (CDR MODE)

SOURCE ON / OFF	Turns the CD recorder on and off
POWER OFF	Turns the CD recorder off
POWER ON	Turns the CD recorder on
0-9	Inputs the numeric
CL	Clears the inputting
MEMO	Programs
INFO	Scrolls the disc information
MENU	Switches the display information
REC	Record
Pause	Pause
Play	Play
Stop	Stop
Previous / Next	Skips forward or previous track
Rewind / Forward	Searchs forward or backward

CONTROLLING A MARANTZ MD DECK (MD MODE)

SOURCE ON / OFF	Turns the MD deck on and off
POWER OFF	Turns the MD deck off
POWER ON	Turns the MD deck on
0-9	Inputs the numeric
CL	Clears the inputting
MEMO	Programs
MENU	Switches the display information
REC	Record
Pause	Pause
Play	Play
Stop	Stop
Previous / Next	Skips forward or previous track
Rewind / Forward	Searchs forward or backward

CONTROLLING A MARANTZ TAPE DECK (TAPE MODE)

SOURCE ON / OFF	Turns the TAPE deck on and off
POWER OFF	Turns the TAPE deck off
POWER ON	Turns the TAPE deck on
0-9	Inputs the numeric
CL	Clears the inputting
MEMO	Programs
REC	Record
Pause	Pause
Play	Play
Stop	Stop
Previous / Next	Skips forward or previous track
Rewind / Forward	Searchs forward or backward

BASIC OPERATION

NORMAL MODE

(When operating Marantz AV equipment products)
This remote control is preset with a total of 12 types of remote codes, including Marantz TV (television), DVD, VCR (VCR deck), DSS (satellite broadcasting tuner), TUNER, CD, CD-R, MD, TAPE (tape deck), AUX1, AUX2, and AMP (amplifier).
Learning is not necessary for Marantz products. You can use these products without setting any codes.

1. Press the **SOURCE** button.
   For this example, press DVD.
   Pressing the **SOURCE** button once changes the remote control to the settings for the source that was pressed.
   To change the amplifier on other source, press the **SOURCE** button twice (double-click). The code is sent, and then the amplifier source changes to DVD.

SETTING THE BACK LIGHT

Each time press the buttons, illuminate button 2 seconds.
To turn off back light, press and hold down the **SET** and **OFF** button until SEND indicator blinks twice.
To turn on it again, press and hold down the **SET** and **ON** button until SEND indicator blinks twice.
Initial is back light ON.

PRESET MODE

(When operating non-Marantz AV equipment products)
This remote control is preset with remote control codes from AV equipment by other manufacturers. The preset codes are TV, VCR, DVD and DSS. Settings can be made in one of two ways.
When the preset codes are set, the following codes are contained in the source button of the remote control.

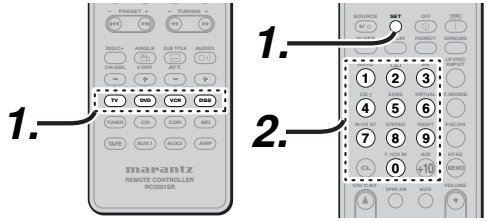
See the attached manufacturer number list for the preset manufacturers, devices, preset numbers, and other settings.

Remote control source name	Corresponding preset code	Device name
TV	TV	Television
DVD	DVD	DVD player
VCR	VCR	Video deck
DSS	SATELLITE	Satellite broadcasting tuner equipment

Importants:

- Some codes may be not match your equipment. In this case, you can use LEARN mode to store these codes.
- The preset codes do not cover full functions. If you need extra function, use LEARN mode to store extra function.
- Wen the batteries are getting weak, the preset procedure is not successful.

PROGRAMMING WITH THE 4-DIGIT CODE

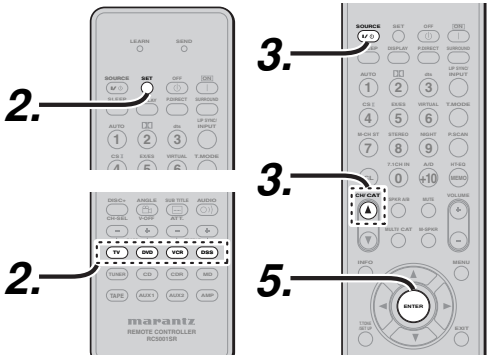


1. Press and hold down the **SOURCE** button for the appliance which should be controlled and press **SET** button until the SEND indicator blinks twice. Then back light flushes.
2. Press the 4-digit code for appliance (code table at the end of this book)
   When the procedure is successful, the SEND indicator will blink twice.

Note:

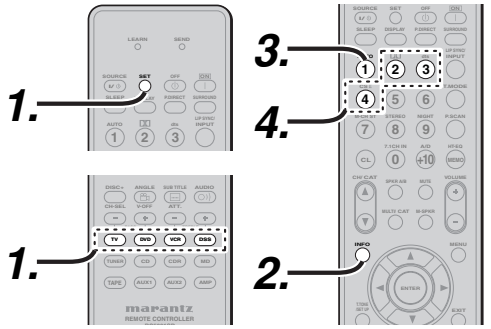
If the indicator did not blink twice, then repeat steps 1 through 2 and try entering the same code again.

SCANNING THE CODE TABLE



1. Switch on the appliance which should be controlled.
2. Press and hold down the **SOURCE** button for appliance which should be controlled and press **SET** button until the SEND indicator blinking twice. Then back light flushes.
3. Aim the remote control at the appliance and slowly alternate between pressing **CH+** button and the **SOURCE ON/OFF** button for the appliance.
4. Stop when the appliance turns off.
5. Press **ENTER** button once to lock in the code.

CHECKING THE CODE



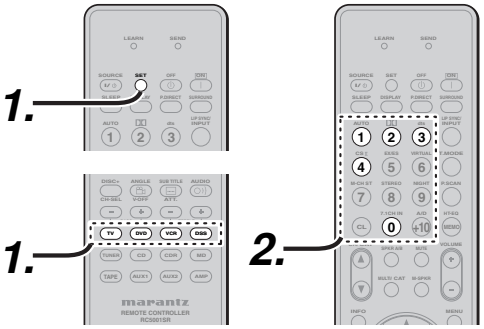
1. Press and hold down the **SOURCE** button for appliance which should be controlled and press **SET** button until the SEND indicator blinking twice then back light flushes.
2. Press the **INFO** button.
   The SEND indicator will blink twice.
3. To view the code for first digit, press **1** once.
   Wait 3 seconds, count the SEND indicator blinks (e.g. 3 blinks = 3) and write down the number.

Note:

If a code digit is "0", the SEND indicator will not blink.

4. Repeat step ***3*** three more times for remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit.

RESETTING THE CODE



1. Press and hold down the **SOURCE** button for appliance which should be controlled and press **SET** button until the SEND indicator blinking twice.
   Then back light flushes.
2. Press the below codes to reset.
   TV : 1000
   DVD : 2000
   VCR : 3000
   DSS : 4000
   The indicator will blink twice.

Note:

After this procedure, the selected **SOURCE** button is set initial code.

LEARN MODE

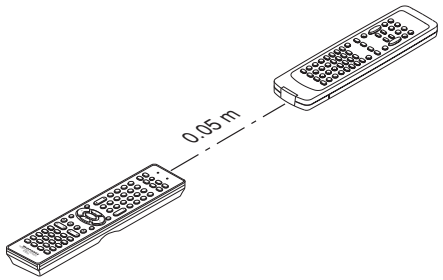
This remote control is capable of learning and storing codes used by other remote controls that you already own.
For codes which are not learned, the remote control will transmit either the Marantz preset codes from the initial settings, or remote codes from another manufacturer's AV equipment which is set by the customer.
The receiver sensor for the remote control signals is located at the top of the remote control.

Notes:

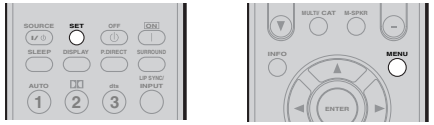
- This remote control is capable to learn around 60 codes.
- When the batteries are getting weak , the learing procedure is not successful.

LEARNING PROCEDURE

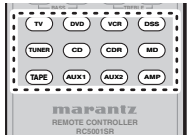
1. Place the remote controller so that its infrared signal transmitter is facing the infrared signal receiver on the Marantz remote controller at a distance of about 0.05 m (2 inches).



2. Press and hold down the **SET** and **MENU** buttons until LEARN indicator blinks.



3. Select the **SOURCE** button to select the SOURCE.



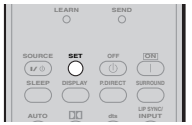
4. Select the button to be learned.
- LEARN indicator lights up.

5. Press and hold the button of the original remote controller to learn until the SEND indicator blinks twice.
- When the SEND indicator blinks once, repeat this step.
- When the memory of the RC5001SR is full, the LEARN and SEND indicators blink once. If you want to learn the code, you should erase other learned button.

6. Repeat steps ***4*** and ***5*** to learn other buttons in same SOURCE.

7. Repeat steps ***3*** to ***6*** to learn other SOURCE.

8. When you have finished programming the remote controller, press the **SET** button, then LEARN indicator stops blinking and exits from the LEARN mode.



Notes:

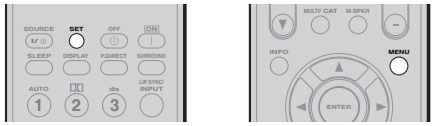
- When the SEND indicator blinks once again, the transmitting code is unavailable for RC5001SR, or the transmitting signal is intercepted by noise.
- If no buttons are pressed for approximately 1 minutes while in the LEARN mode, the remote controller automatically exits from the LEARN mode.

ERASING PROGRAMMED CODES (RETURNING TO INITIAL SETTINGS)

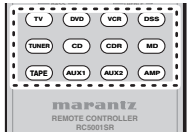
Codes can be erased in three ways: by buttons, sources, and by all memory contents.

Erasing the code by buttons

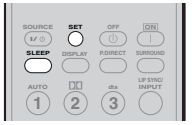
1. Press and hold down the **SET** and **MENU** buttons until LEARN indicator blinks.



2. Select the **SOURCE** button to select the button to be erased.



3. Press and hold down the **SLEEP** button and press the learned button twice to be erased.
- SEND indicator blinks twice and the mode returns to LEARN mode.

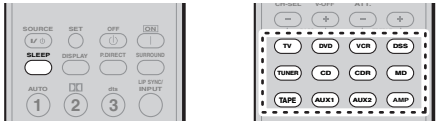


4. To return the NORMAL mode, press the **SET** button.

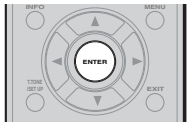
Erasing the code by SOURCE

1. Press and hold down the **SET** and **MENU** buttons until LEARN indicator blinks.

2. Press and hold down the **SLEEP** button and press the learned **SOURCE** button twice to be erased.
- LEARN indicator lights.



3. Press **ENTER** button to continue erasing.
- The SEND indicator blinks twice and the mode returns to LEARN mode.
- To cancel the erasing operation, do not press **ENTER** button and simply touch any other button.

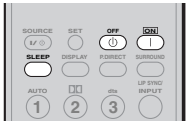


4. To return the NORMAL mode, press the **SET** button.

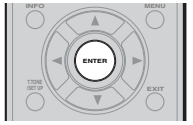
Erasing the all SOURCES

1. Press and hold down the **SET** and **MENU** buttons until LEARN indicator blinks.

2. Press and hold down the **SLEEP** button and press **POWER ON** and **POWER OFF** button.
- LEARN indicator lights.



3. Press **ENTER** button to continue erasing.
- The SEND indicator blinks twice and the mode returns to LEARN mode.
- To cancel the erasing operation, do not press **ENTER** button and simply touch any other button.



4. To return the NORMAL mode, press the **SET** button.

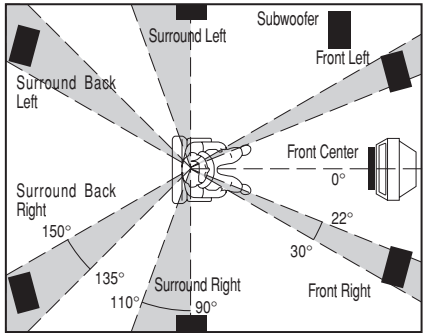
Note:

Erasing codes will return to the factory preset code, or there will leave empty if the button has no factory preset code.

CONNECTIONS

SPEAKER PLACEMENT

The ideal surround speaker system for this unit is 7-speaker systems, using front left and right speakers, a center speaker, surround left and right speakers, a surround back left and right speakers, and a subwoofer.
For best results we recommend that all front speakers be of the same type, with identical or similar driver units. This will deliver smooth pans across the front sound stage as the action moves from side to side.
Your center channel speaker is very important as over 80 % of the dialog from a typical motion picture emanates from the center channel.
It should possess similar sonic characteristics to the main speakers. Surround channel speakers need not be identical to the front channel speakers, but they should be of high quality.
The surround center speaker is useful for playback of Dolby Digital Surround EX or DTS-ES. One of the benefits of both Dolby Digital and DTS is that surround channels are discrete full range, while they were frequency limited in earlier “Pro Logic” type systems.
Bass effects are an important part of home theater. For optimal enjoyment a subwoofer should be used as it is optimized for low frequency reproduction. If you have full range front speakers, however, they may be used in place of a subwoofer with proper setting of the switches in the menu system.



Front left and right speakers
We recommend to set the front L and R speakers with 45-60 degrees from the listening position.

Center speaker
Align the front line of the center speaker with the front L/R speakers. Or place the center speaker a little backward from the line.

Surround left and right speakers
When the SR6001 is used in surround operation, the preferred location for surround speakers is on the side walls of the room, at or slightly behind the listening position.
The center of the speaker should face into the room.

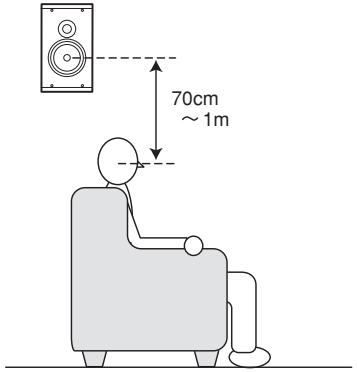
Surround back left and right speakers
Surround back speakers are required when a full 7.1-channel system is installed.
Speakers should be placed on a rear wall, behind the listening position.
The center of the speaker should face into the room.

Subwoofer
We recommend using a sub-woofer to have maximum bass effect. Sub-woofer bears only low frequency range so you can place it any where in the room.

HEIGHT OF THE SPEAKER UNITS

Front left and right speakers, and a center speaker
Align the tweeters and mid-range drivers on the three front speakers at the same height, as best as possible.

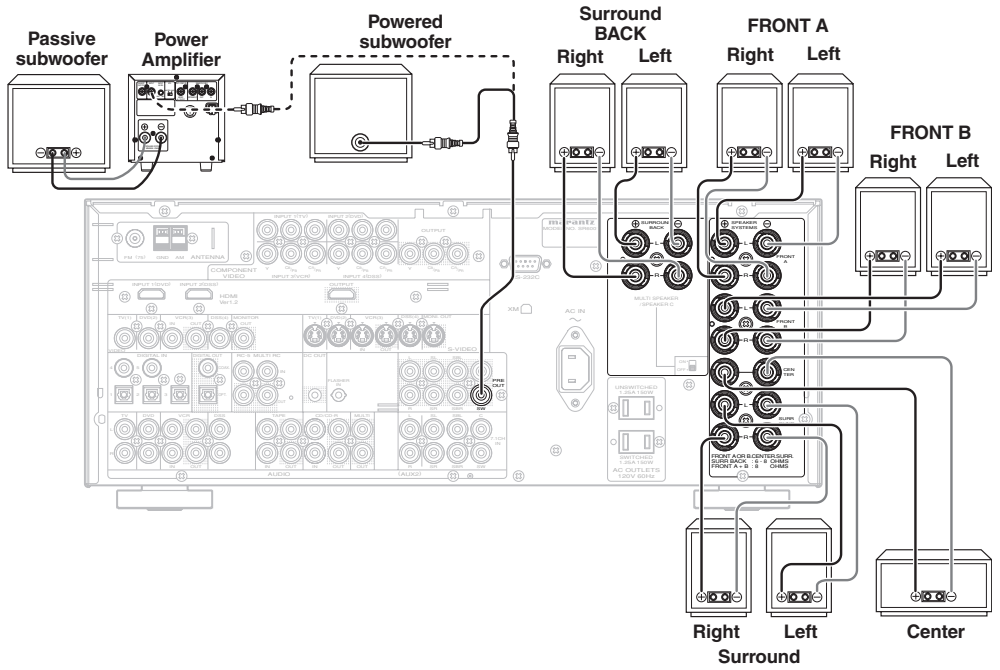
Surround left and right speakers, and surround back speaker
Place the surround left, right and surround back speakers higher than your ears by about 70cm–1m. Also place the speakers at the same height, as best as possible.



Note:

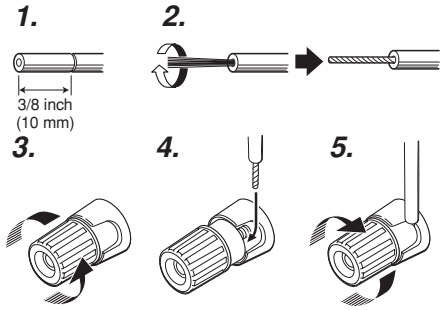
- Use magnetically-shielded speakers for front left, right and the center speakers when the speakers are installed near the TV and the TV is a monitor type.

CONNECTING SPEAKERS



CONNECTING SPEAKER WIRE

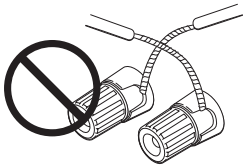
1. Strip away approx. 3/8 inch (10 mm) of wire insulation.
2. Twist the bared wire ends tight, to prevent short circuits.
3. Loosen the knob by turning it counterclockwise.
4. Insert the bare part of the wire into the hole in side of each terminal.
5. Tighten the knob by turning it clockwise to secure the wire.



ENGLISH

Caution:

- Be sure to use speakers with the specified impedance as shown on the rear panel of this unit.
- To prevent damage to circuitry, do not let the bare speaker wires touch each other and do not let them touch any metal part of this unit.



- Do not touch the speaker terminals when the power is on. It may cause you to receive an electric shocks.
- Do not connect more than one speaker cable to one speaker terminal. Doing so may damage this unit.

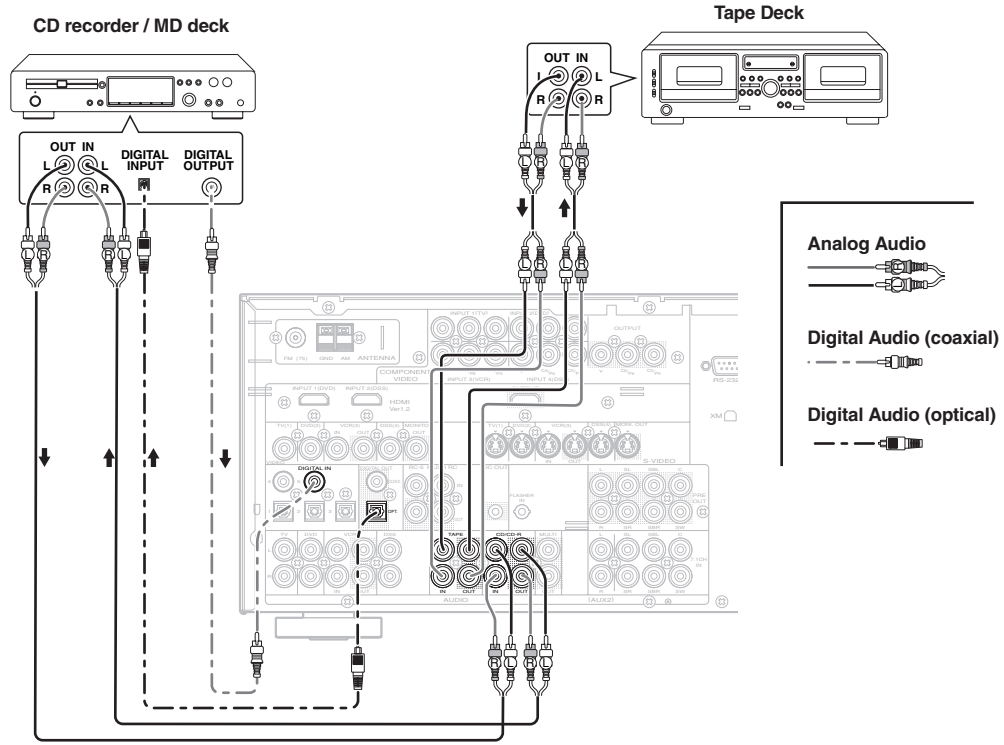
Note:

- Be sure to connect the positive and negative cables for the speaker properly. If they are miss-connected, the signal phase will be reversed and the signal quality will be corrupted.

CONNECTING A SUBWOOFER

Use the PRE OUT SUBWOOFER jack to connect a powered subwoofer (power amplifier built in).
If your subwoofer is a passive type (power amplifier is not built in), connect a monaural power amplifier to the PRE OUT SUBWOOFER jack and connect the subwoofer to the amplifier.

CONNECTING AUDIO COMPONENTS



The output audio signal from the TAPE OUT jack and the CD/CD RECORDER OUT jack is the same signal which is currently selected.

Caution:

- Do not connect this unit and other components to mains power until all connections between components have been completed.

Notes:

- Insert all plugs and connectors securely. Incomplete connections may make noise.
- Be sure to connect the left and right channels properly.

  Red connectors are for the R (right) channel, and white connectors are for the L (left) channel.
- Be sure to connect input and output properly.
- Refer to the instructions for each component that is connected to this unit.
- Do not bind audio/video connection cables with power cords and speaker cables this will result in generating a hum or other noise.

CONNECTING DIGITAL AUDIO COMPONENTS

- There are 5 digital inputs, 2 coaxial jacks and 3 optical jacks, on the rear panel. You can use these jacks to input PCM, Dolby Digital and DTS bitstream signals from a CD, DVD, or other digital source components.
- There is one digital output coaxial jack and one optical output jack on the rear panel. These jacks can be connected to a CD recorder, or a MD deck inputs, respectively.
- Refer to the instructions for each component. To setup the digital audio format of DVD player, or other digital source's connected to digital input jacks.
- Use fiber optical cables (optical) for DIG-1,2,3 input jacks. Use 75 ohms coaxial cables (for digital audio or video) for DIG-4, 5 input jacks.
- You can designate the input for each digital input/ output jacks according to your component. See page 29.

Notes:

- There is no Dolby Digital RF input jack. Use an external RF demodulator Dolby Digital decoder when connecting the Dolby Digital RF output jack of the videodisc player to the digital input jack.
- The digital signal jacks on the SR6001 conform to the EIA standard. If you use a cable that does not conform to this standard, the SR6001 may not function properly.
- Each type of audio jack works independently. Signals input through the digital and analog jacks are output through the corresponding digital and analog jacks, respectively.

HDMI JACK

This SR6001 has two HDMI inputs and one HDMI output. The unit can send digital video and audio signals from DVDs and other sources directly to a display. It minimizes signal degradation caused by analog conversion so that high quality images can be enjoyed.
The SR6001 is also capable of converting analog video signals (Composite Video, S-Video, Component Video) for HDMI output.
Select an input source from the OSD menu system. (See page 29, 40)

Notes:

- When the HDMI output is connected to a display monitor that does not support HDCP, signals are not output. To view images in HDMI, it is necessary to connect to a display that supports HDCP.
- There may be no image output if connected to a TV or display that is not compatible with the above format.
- Refer to the instruction manual of the TV or display to be connected to the SR6001 for detailed information regarding the HDMI terminal.

*** HDCP: High-bandwidth Digital Content Protection**

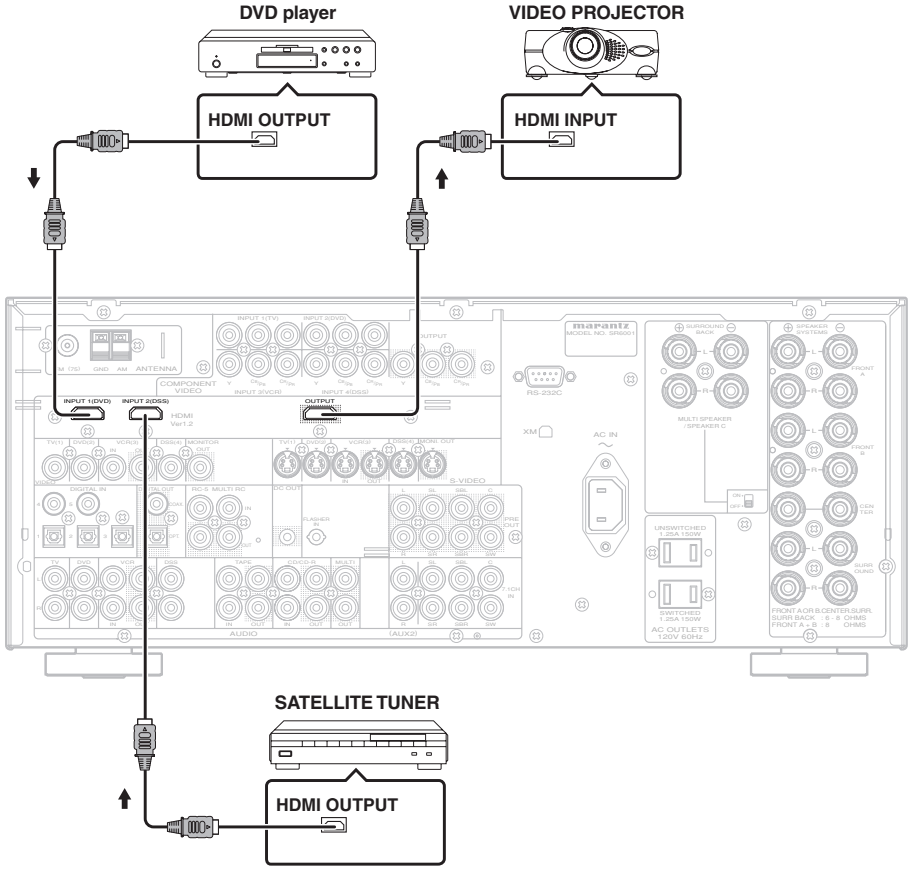
CONNECTING HDMI DEVICES

An HDMI cable (sold separately) is used to connect the HDMI jack on the SR6001 with the HDMI jack on a DVD player, TV, projector or other component. To transmit multichannel audio via HDMI, the connected player must support multichannel audio transmission through its HDMI jack.
HDMI video streaming is compatible with DVI in principle. Therefore, it is possible to connect to a TV or monitor that has a DVI terminal using an HDMI-DVI conversion cable or plug. When connecting to a DVI terminal, connect the audio signal separately.

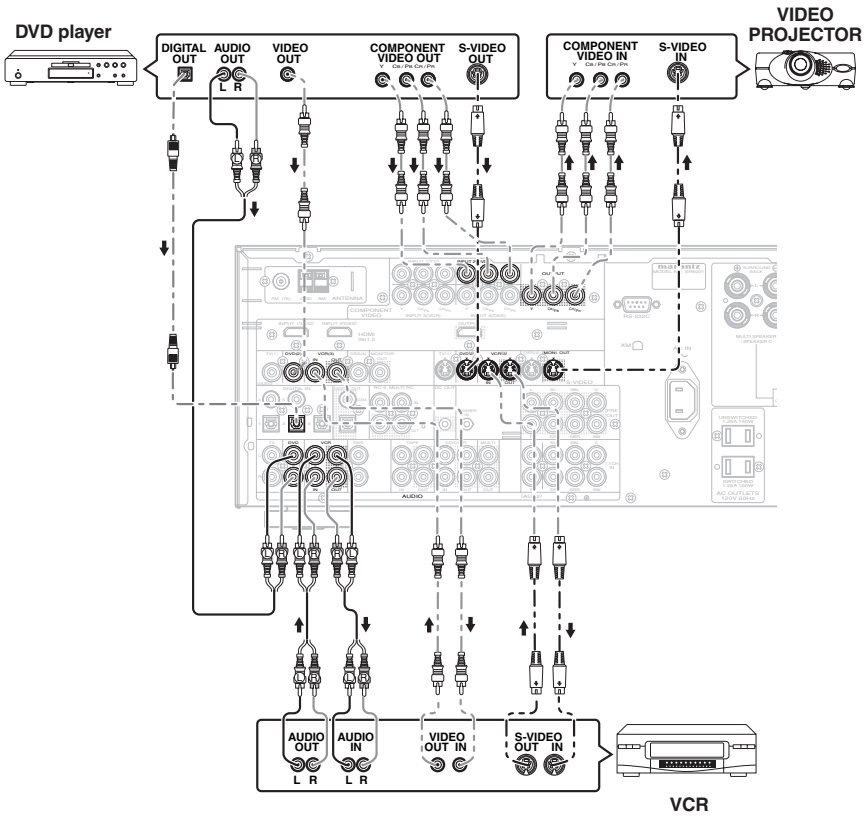
Notes:

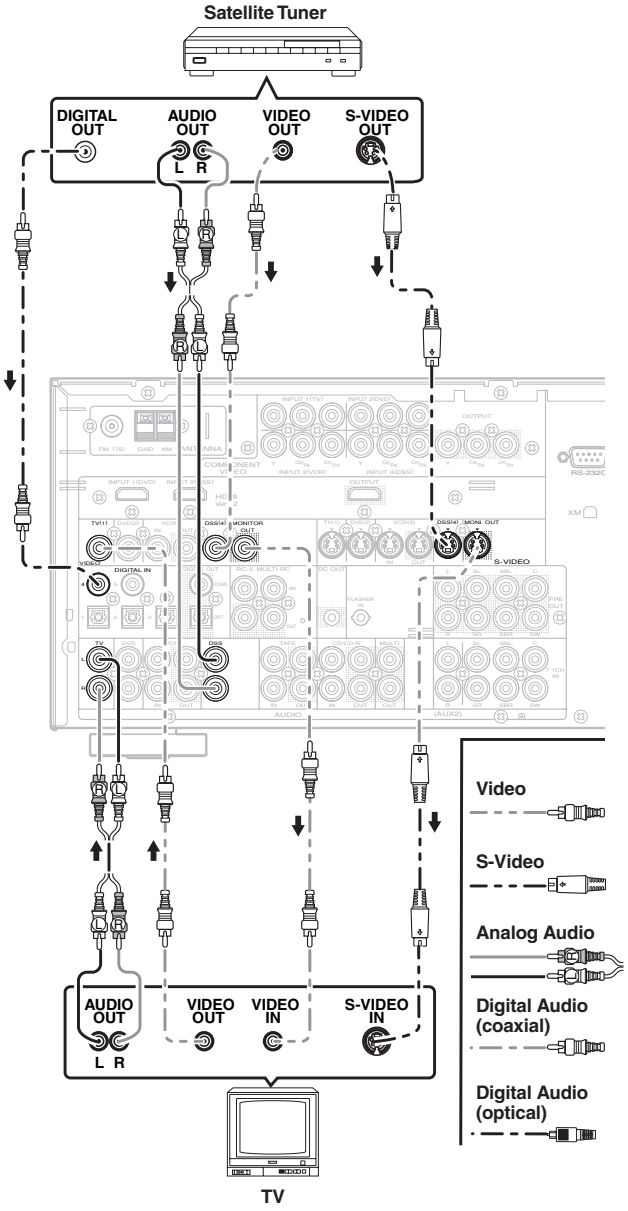
- Some HDMI components can be controlled over the HDMI cable, but this receiver cannot control other components this way.
- When connected to a monitor (i.e., TV, projector, etc.) that does not support HDCP, video and audio are not output.
- DVI cables come with 24-pin and 29-pin plugs. This receiver supports 24-pin DVI-D cables; 29-pin DVI cables cannot connect to it.
- Some source devices such as DVD players or set top box do not support HDMI repeater operations like those of the SR6001. In such case, pictures are not properly projected on monitors such as TVs and projectors.
- When multiple components are connected to this receiver, turn power to unused components off to prevent interference between them.
- Disconnecting or connecting cables with the power on can damage the equipment. Turn the power off before disconnecting or connecting cables.
- Some DVD-Audio disks disable downmixing. These types of disks are not played back correctly unless the left, center, right and surround left and right speakers, and subwoofer are connected.
- If a DVD player that does not support HDMI 1.1 is connected to the SR6001, multi channel PCM playback is not possible even with DVD-Audio disks.
- If an Super Audio CD player that does not support HDMI 1.2 is connected to the receiver, DSD playback is not possible even with Super Audio CD.

  (*DSD: Direct Stream Digital)
- If a DVD player or other device with DVI output is connected to the SR6001, a separate audio cable (optical-digital, coaxial digital or analog) is needed for the audio signals. In this case, select the connected audio input as explained in "**1-1 FUNC INPUT SETUP**". (See page 29)
- Multi channel PCM signals and audio signals of 62 kHz or higher that are input from the HDMI jack are not output from the DIGITAL OUT jacks.
- Depending on the quiality of the cable used, the HDMI signal may be affected by noise.



CONNECTING VIDEO COMPONENTS





VIDEO, S-VIDEO, COMPONENT JACKS

There are 3 types of video jacks on the rear panel.

VIDEO jack

The video signal for the VIDEO jacks is the conventional composite video signal.

S-VIDEO jack

The video signal is separated into luminance (Y) and color (C) signals for the S-VIDEO jack. The S-VIDEO signals enables high-quality color reproduction. If your video component has an S-VIDEO output, we recommend to use it. Connect the S-VIDEO output jack on your video component to the S-VIDEO input jack on the SR6001.

Component jack

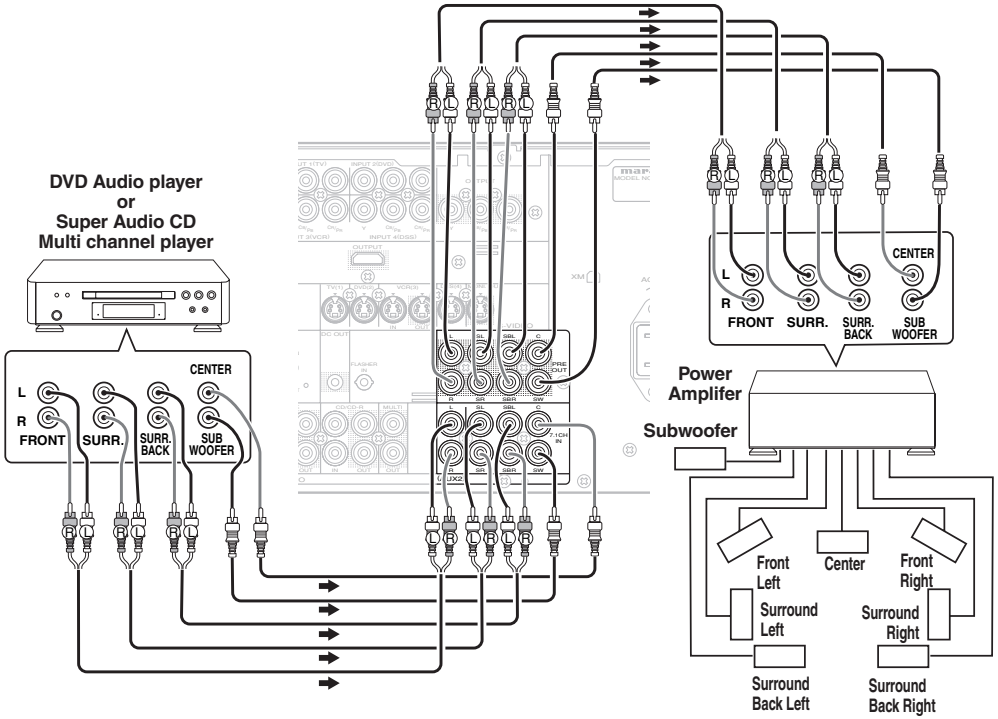
Make component video connections to a TV or monitor with component inputs to produce higher quality video images. Use a component video cable or 3 video cords to connect the component video out jacks on the SR6001 to the monitor.

Notes:

- Be sure to connect the left and right audio channels properly.

  Red connectors are for the R (right) channel, and white connectors are the for L (left) channel.
- Be sure to connect the inputs and outputs of the video signals properly.
- If you connect the S-VIDEO or component signal to the S-VIDEO or component jack on the SR6001, it is not necessary to connect the conventional video signal to the VIDEO (composite) jack. If you use both video inputs, the SR6001 gives priority to the S-VIDEO signal.
- Each type of video jack works independently. Signals input to the VIDEO (composite) and S-VIDEO jacks or component are output to the corresponding VIDEO (composite) and S-VIDEO or component jacks, respectively.
- The SR6001 has the "TV-AUTO ON/OFF" function to turn the TV ON or OFF automatically, by sensing the incoming video signal from the VIDEO jacks.
- You may need to setup the digital audio output format of your DVD player, or other digital source components. Refer to the instructions of the each component connected to the digital input jacks.
- There is no Dolby Digital RF input jack. Use an external RF demodulator Dolby Digital decoder when connecting the Dolby Digital RF output jack of the videodisc player to the digital input jack.

ADVANCED CONNECTING



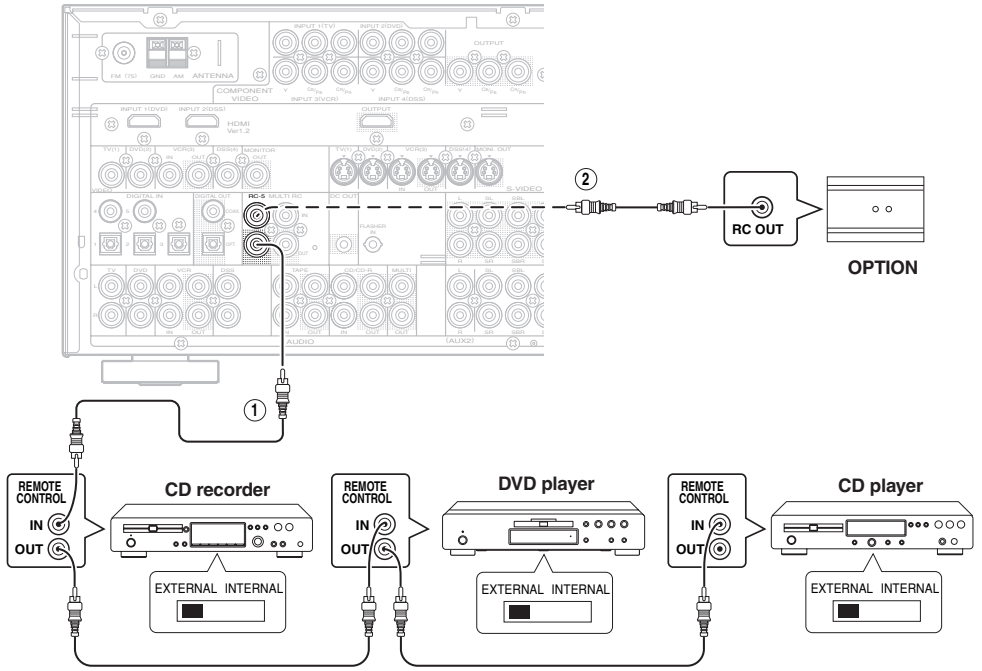
CONNECTING MULTI CHANNEL AUDIO SOURCE

The 7.1CH INPUT jacks are for multichannel audio source such as a Super Audio CD multichannel player, DVD audio player or external decoder.
If you use these jacks, switch on the 7.1CH INPUT and set the 7.1CH INPUT level by using the SETUP MAIN MENU. See page 29.

CONNECTING AN EXTERNAL POWER AMPLIFIER

The PREOUT jacks are for connecting external power amplifiers.
Be sure to connect each speaker to the corresponding external power amplifier.

CONNECTING THE REMOTE CONTROL JACKS



①
You can control other Marantz products through the SR6001 with the remote control by connecting the REMOTE CONTROL terminals on each unit.
The signal transmitted from the remote control is received by the remote sensor on the SR6001. Then the signal is sent to the connected device through this terminal. Therefore you need to aim the remote control only at the SR6001. Also, if a Marantz power amplifier (some models excluded) is connected to one of these terminals, the power amplifier's, power switch is synchronized with this unit's power switch.

Set the REMOTE CONTROL SWITCH on the other units, (not the SR6001) to "EXT." (external) to use this feature.

②
Whenever external infrared sensors or similar devices are connected to RC-5 IN of the SR6001, be sure to always disable operation of the infrared sensor on the main unit by using the following procedure.

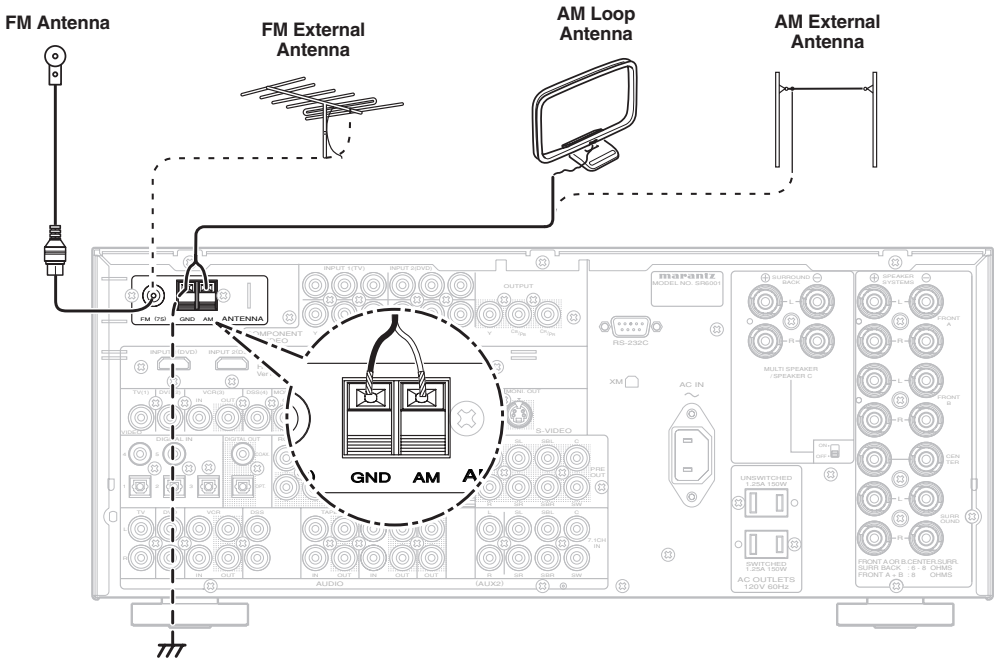
1. Hold down the **MULTI** button and the **MENU** button on the front panel at the same time for five seconds.
2. The setting "IR=ENABLE" is shown on the FL DISPLAY.
3. Press the **CURSOR** buttons (◄, ►) to change this to "IR=DISABLE".
4. Press the **ENTER** button. Once this setting is made, the infrared sensor on the main unit is disabled.

Note:

- Be sure to set to "IR=ENABLE" when external infrared sensors or similar devices are not connected. Otherwise, the main unit will be unable to receive remote control commands.

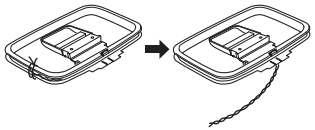
5. To restore the original setting, perform steps 1 to 4 to set to "IR=ENABLE".

CONNECTING THE ANTENNA TERMINALS



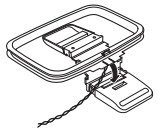
ASSEMBLING THE AM LOOP ANTENNA

1. Release the vinyl tie and take out the connection line.

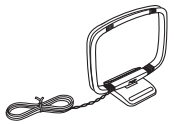


2. Bend the base part in the reverse direction.

3. Insert the hook at the bottom of the loop part into the slot at the base part.



4. Place the antenna on stable surface.



CONNECTING THE SUPPLIED ANTENNAS

Connecting the supplied FM antenna

The supplied FM antenna is for indoor use only.
During use, extend the antenna and move it in various directions until the clearest signal is received.
Fix it with push pins or similar implements in the position that will cause the least amount of distortion.
If you experience poor reception quality, an outdoor antenna may improve the quality.

Connecting the supplied AM loop antenna

The supplied AM loop antenna is for indoor use only.
Set it in the direction and position it to where you receive the clearest sound. Put it as far away as possible from the unit, televisions, speaker cables, and power cords.
If you experience poor reception quality, an outdoor antenna may improve the quality.

1. Press and hold down the lever of the AM antenna terminal.
2. Insert the bare wire into the antenna terminal.
3. Release the lever.

Note:

- Connect the shielded grounding wire (black) to the AM antenna GND terminal.

CONNECTING AN FM OUTDOOR ANTENNA

Notes:

- Keep the antenna away from noise sources (neon signs, busy roads, etc.).
- Do not put the antenna close to power lines. Keep it well away from power lines, transformers, etc.
- To avoid the risk of lightning and electrical shock, grounding is necessary.

CONNECTING AN AM OUTDOOR ANTENNA

An outdoor antenna will be more effective if it is stretched horizontally above a window or outside.

Notes:

- Do not remove the AM loop antenna.
- To avoid the risk of lightning and electrical shock, grounding is necessary.

XM RADIO OVERVIEW

SR6001 is the XM Ready® receiver. You can receive XM Satellite Radio® by connecting to the XM Mini-Tuner and Home Dock (sold separately) and subscribing the XM service.

Introducing XM Satellite Radio

There's a world of audio listening pleasure beyond AM and FM. XM Satellite Radio which includes:

- Over 170 Digital Channels
- The most commercial-free music in satellite radio
- Live concerts plus exclusive original programming
- The biggest names in news, talk, and entertainment
- The most sports play-by-play
- Major league Baseball. Every team. All season long.

Questions? Visit www.xmradio.com <http://www.xmradio.com/>

How to Subscribe

Listeners can subscribe by visiting XM on the Web at www.xmradio.com or by calling XM's Listener Care at (800) 967-2346. Customers should have their Radio ID and credit card ready. The Radio ID can be found by selecting channel 0 on the radio.
(See the "**CHECKING THE XM SIGNAL STRENGTH AND RADIO ID**")

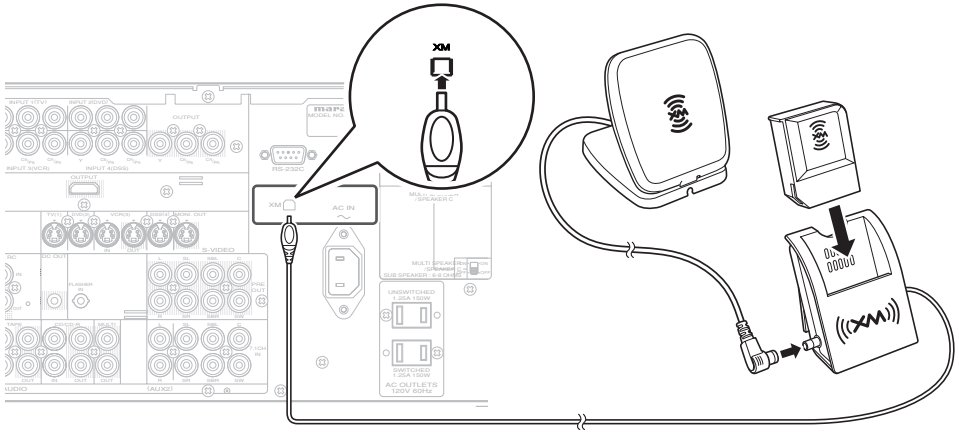
A Warning Against Reverse Engineering

It is prohibited to copy, decompile, disassemble, reverse engineer, or manipulate any technology incorporated in receivers compatible with the XM Satellite Radio system.
Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc. The user of this or any other software contained in an XM Radio is explicitly prohibited from attempting to copy, decompile, reverse engineer, or disassemble the object code, or in any other way convert the object code into human-readable form. The software is licensed solely for use within this product.

XM $ 12.95 monthly service subscription sold separately. XM Mini-Tuner and Home Dock required to receive XM service (sold separately). Installation costs and other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channle blocking is available for XM radio receivers by calling 1-800-XMRADIO. Subscriptions subject to Customer Agreement available at xmradio.com. XM service only available in the 48 contiguous United States. [XM Ready, XMDirect*] are trademarks of XM Satellite Radio Inc.

CONNECTING THE XM CONNECT-AND-PLAY ANTENNA

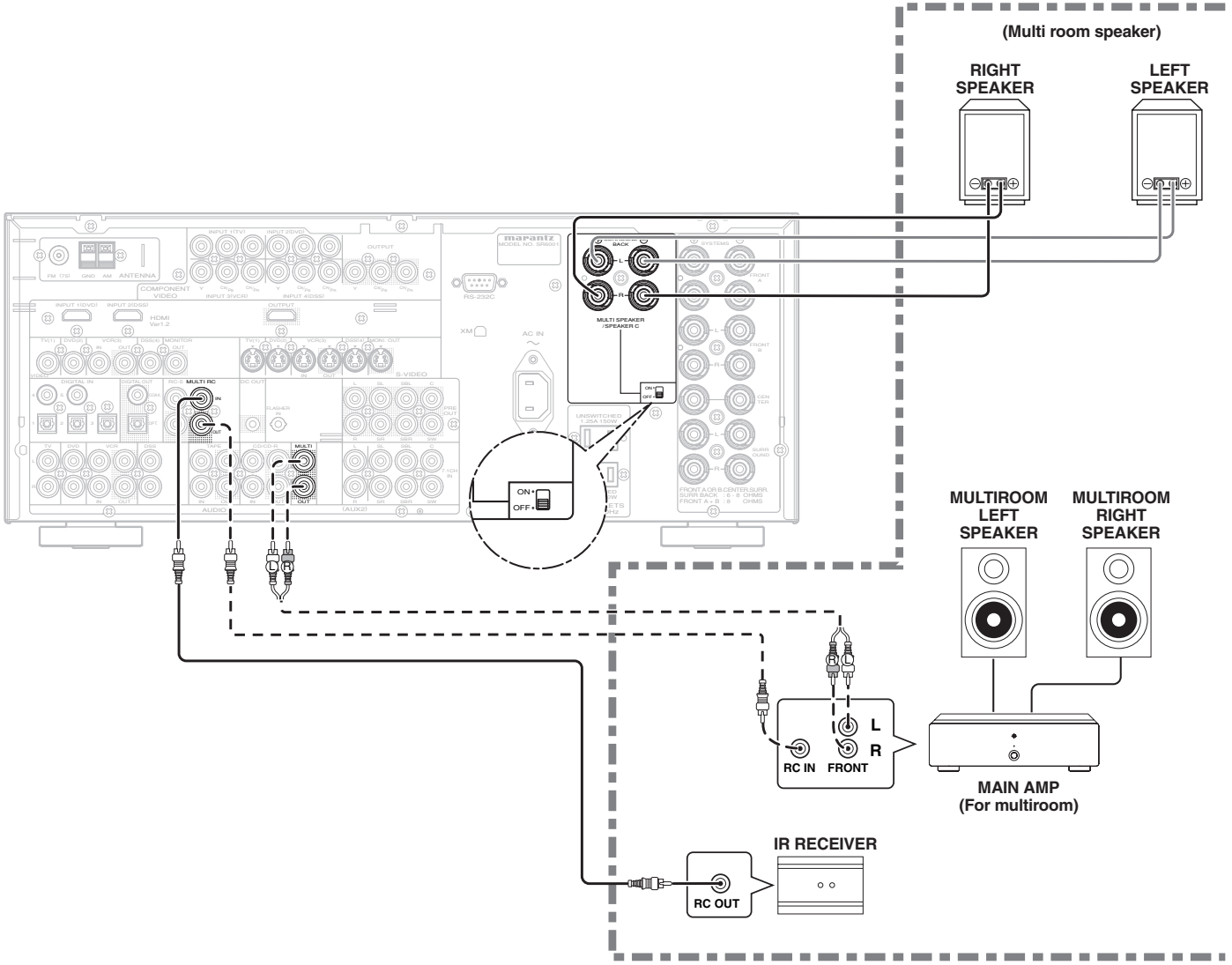
- Plug the XM Mini-Tuner and Home Dock into XM terminal on the rear panel.
- Position the XM antenna near a south-facing window to receive the best signal.
  When making connections, also refer to the operating instructions of the XM Mini-Tuner and Home Dock.



Note

- Keep the power supply cord unplugged until the XM Mini-Tuner and Home Dock connection have been completed.

CONNECTING FOR THE MULTI ROOM



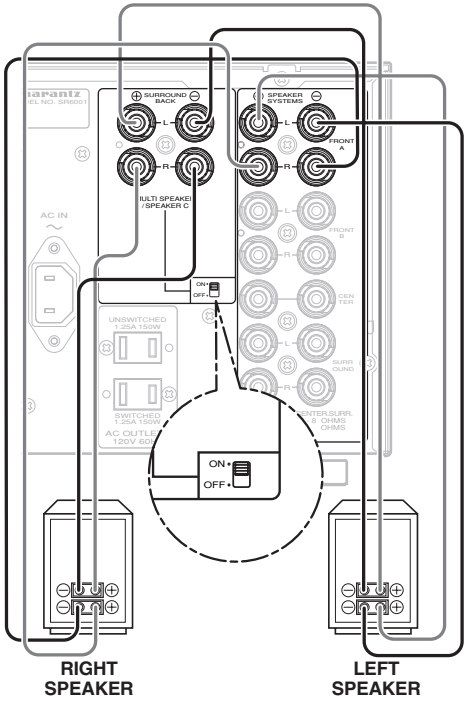
CONNECTING FOR SPEAKER C USE

Bi-wire Connection

A bi-wire connection is possible with speakers that have two sets of inputs (for treble and bass).
This allows you to drive the treble and bass units with separate channel amps, which enables better sound quality. Connect the speakers as shown in the figure. Set the SPEAKER C selector switch on the rear panel to ON.

Notes:

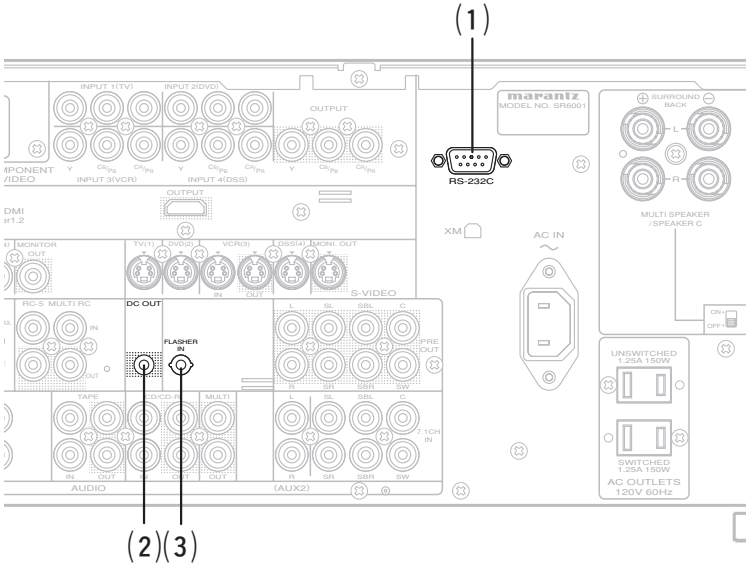
- If incorrectly connected, a protective circuit in the receiver will trip and set the receiver to standby. (The STANDBY indicator will flash.) In such case, recheck the connections between the speakers and the receiver.
- Turn power to the receiver off before changing the setting of the SPEAKER C selector switch.
- If the speaker is fitted with a shorting bar, remove the shorting bar.



Note:

- You can use surround back speaker terminals as MULTI SPK. terminals or SPEAKER C terminal when you are not using surround back speakers.

CONNECTING OTHER EQUIPMENT



(1) RS232C

Connect an external control device or other device for servicing. (Use a straight cable for the connection.)

(2) DC OUT (DC TRIGGER)

External devices can be controlled from the SR6001 by connecting them to the DC OUT terminal (12 V).

(3) FLASHER IN

This receiver can be controlled by connecting a control box or other control device to this receiver.

SETUP

After all components are connected, initial setup must be performed.

ONSCREEN DISPLAY MENU SYSTEM

The SR6001 incorporates an onscreen menu system, which makes various operations possible by using the cursor (▲, ▼, ◄ , ►) and **ENTER** buttons on the remote control unit or on the front panel.

Note:

- To view the onscreen displays, make certain you have connected the MONITOR OUT jack on the rear panel to the composite, S-Video, component video or HDMI input of your TV or projector. (See page 19, 20)

1. Press the **AMP** button on the remote control unit. (This step is not needed when operating the setup menus from the SR6001.)
2. Press the **MENU** button on the remote control or press the **MENU** button on the front panel. The "**MAIN MENU**" of the OSD menu system is displayed.

   There are 6 items in the MAIN MENU.
3. Select the desired sub-menu with the ▲ or ▼ cursor buttons and press the **ENTER** button. The display will change to the selected sub-menu.

Notes:

- If you desire to adjust any sub-menu, you need to set it to **UNLOCKED**.
- To lock sub-menus, set items 1-6 on the MAIN MENU to "**LOCKED**".

<LOCKING SUBMENUS>

(1) Move the cursor to "1. INPUT SETUP" in the MAIN MENU.

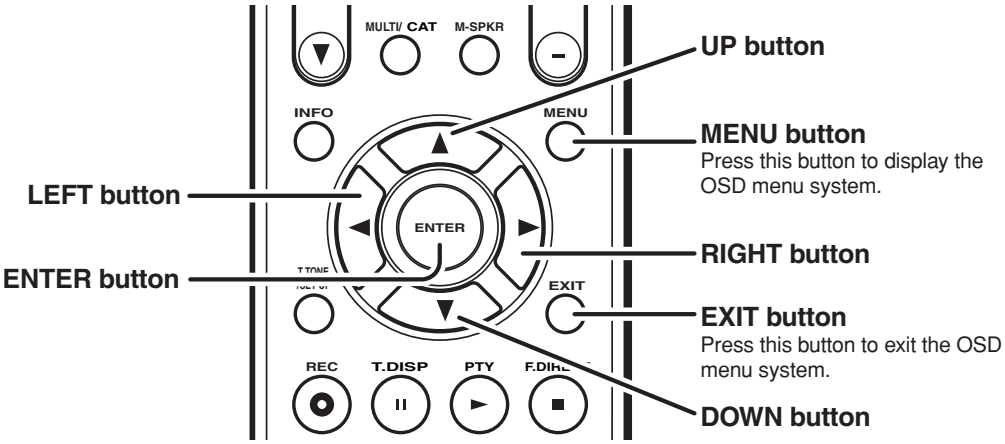
(2) Select the "●" mark left of "**LOCKED**" with the ◄ or ► cursor buttons.

4. To exit from OSD menu system, press the **EXIT**button, or move the cursor to **EXIT** and press the **ENTER** button.

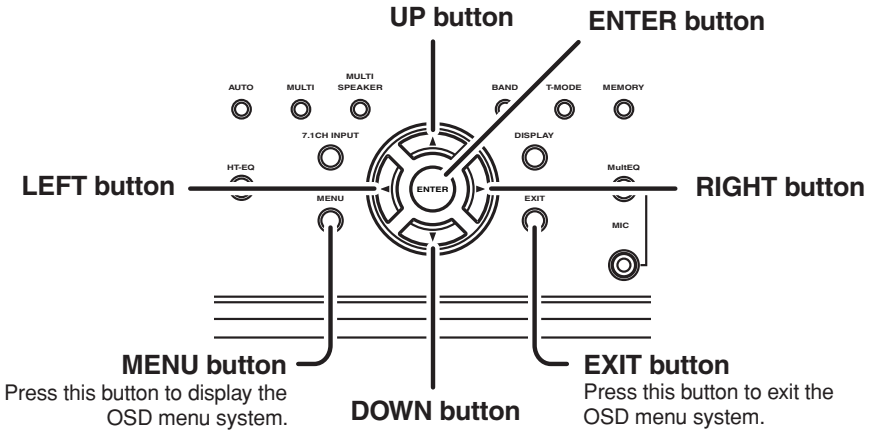
Note:

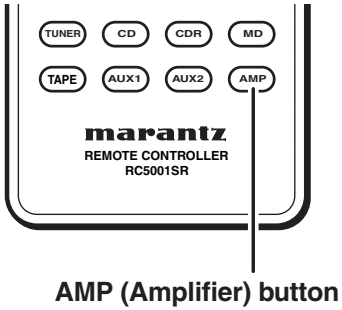
- Settings are entered with the **ENTER** button on the unit or the remote control unit.

RC5001SR BUTTON CONTROL



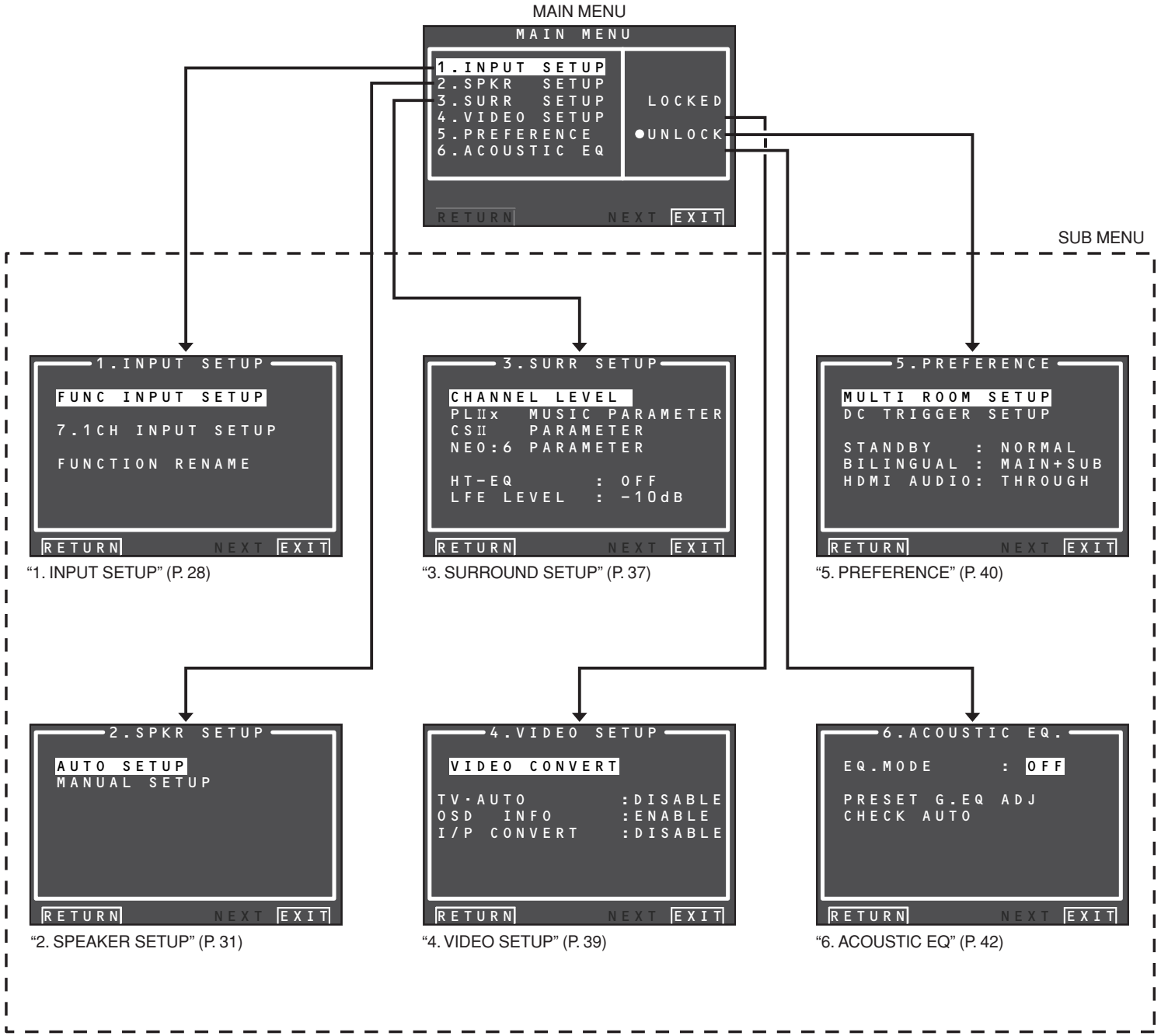
SR6001 FRONT BUTTON CONTROL





Note:

- After you complete this portion of the setup, move cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

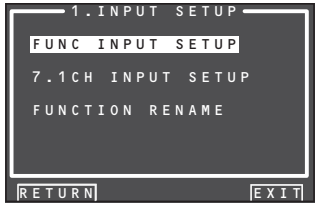


1 INPUT SETUP

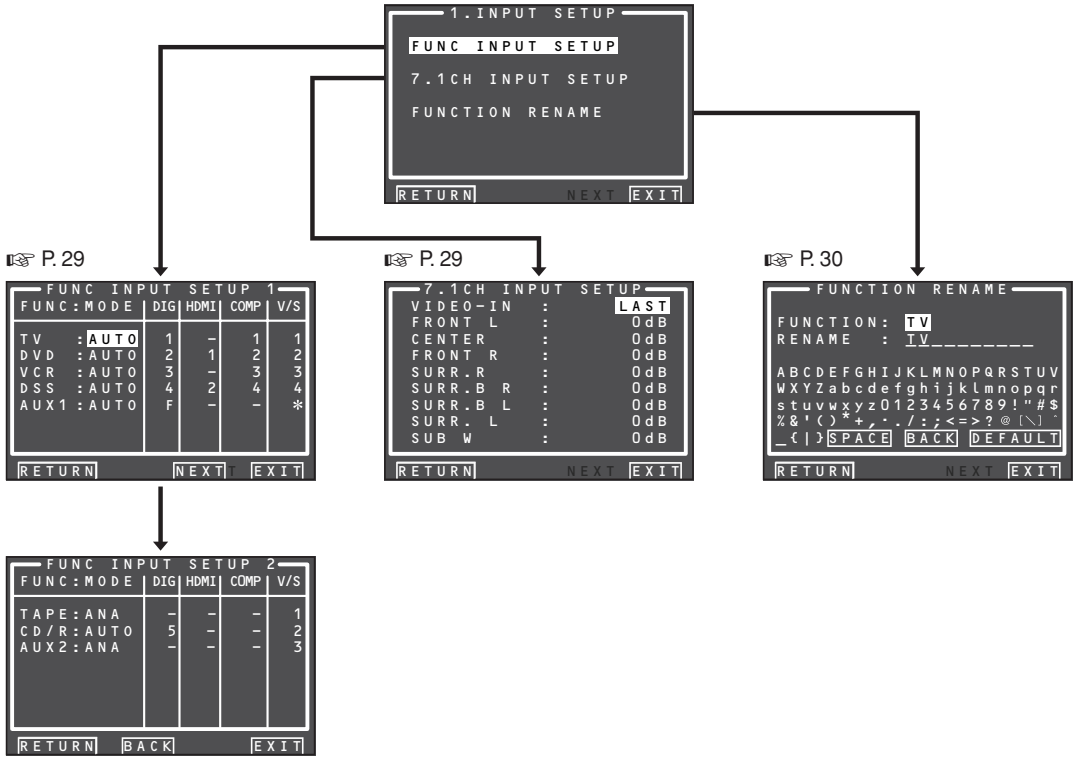
This menu is for setting the matching the output of connected audio devices and the input jacks of this receiver.

- **FUNC INPUT SETUP :**
  "1-1 FUNC INPUT SETUP" (see page 29)
- **7.1 CH INPUT SETUP :**
  "1-2 7.1 CH INPUT SETUP" (see page 29)
- **FUNC RENAME :**
  "1-3 FUNCTION RENAME" (see page 30)

1. Select "**1. INPUT SETUP**" from the MAIN MENU with ▲ or ▼ cursor button, and press the **ENTER** button.



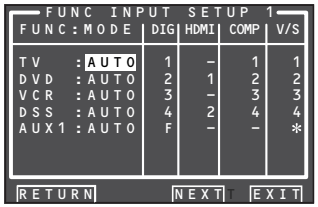
2. Select the desired sub-menu with the ▲ or ▼ cursor buttons, and press the **ENTER** button.



1-1 FUNC INPUT SETUP (ASSIGNABLE DIGITAL INPUT)

The 5 and F (Front) digital inputs can be assigned to a desired source.
HDMI and COMPONENT inputs can be assigned to the preferred source.
Use this menu to select which digital input jacks are to be assigned to which input source.

1. Select "**FUNC INPUT SETUP**" from the 1.INPUT SETUP menu with the ▲ or ▼ cursor buttons and press the **ENTER** button.



2. Select a setting with the ▲, ▼, ◄, and ► cursor buttons, and assign a mode and input jack (DIG, HDMI, COMP, V/S).

MODE

AUTO:
Select "**AUTO**", for automatic detection of the digital input signal condition.
If there is no digital signal, but there is an analog signal present, the analog signal will be played. "AUTO" is the initial setting of all input sources.

HDMI:
Select "**HDMI**", when only a HDMI signal will be used.

DIG:
Select "**DIG**", when only a digital signal will be used.

ANA:
Select "**ANA**" for input sources for which no digital input jacks are used.

DIG

5 and F(Front) digital inputs can be assigned to a desired source.
Assign the number of a digital input jack to the device.

HDMI

Assign the number of an HDMI input jack to the device.

Note:

- When FUNCTION MODE is set to HDMI and HDMI AUDIO of "5. PREFERENCE" is set to THROUGH, audio is not output from the SR6001. (See page 40)

COMP

Assign the number of a component video input jack to the device.

V/S

Assign the number of a composite video and S-video input jack to the device.

Note:

- Video and S-video can use the same numbers when assigning to input functions.
- The ✻ mark in AUX.1 indicates that other inputs cannot be assigned.

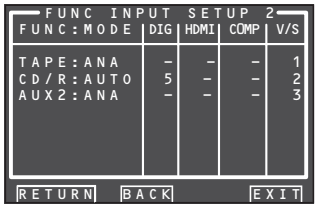
3. Press the **ENTER** button.

4. Select each mode setting and input terminal with the ◄ or ► cursor buttons.

5. Press the **ENTER** button.

6. Repeat steps 2-5 until all items are set.

7. After you complete this portion of the setup, move the cursor to "**NEXT**" with the ▲, ▼, ◄, and ► cursor buttons and then press the **ENTER** button to go to the next page.



8. Repeat steps 2-5 until all items are set.

After you complete this portion of the setup, move the cursor to "**RETURN**" with ▲, ▼, ◄, and ► cursor buttons and press the **ENTER** button.

To return to the Func Input Setup 1 menu from the Func Input Setup 2 menu, move the cursor to "**BACK**" with the ▲, ▼, ◄, and ► cursor buttons and press the **ENTER** button.

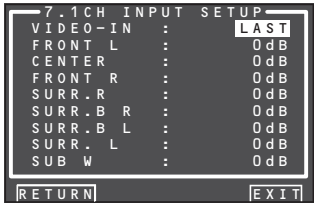
Note:

- Assignments cannot be made in sections with a ✻ mark.

1-2 7.1 CH INPUT SETUP

This menu is for adjusting the speaker levels for 7.1-channel input sources.
Here you will adjust the volume for each channel so that they are all heard by the listener at the same level.

1. Select "**7.1 CH INPUT SETUP**" from the 1.INPUT SETUP menu with the ▲ or ▼ cursor buttons and press the **ENTER** button.



2. Select "**VIDEO-IN**" with the ▲ or ▼ cursor buttons.

3. Using the ◄ or ► cursor buttons, select the video input source to be played through the MONITOR OUT jack.

The input source is switched by pressing the ◄ or ► cursor buttons as follows;

LAST ↔ TV ↔ DVD ↔ VCR ↔ DSS ↔ AUX1 ↔ V-OFF ↔ LAST ↔...

Notes:

- When "**LAST**" is selected, the source is set to the source selected before the 7.1 ch input menu was activated.
- When "**V-OFF**" is selected, no signal is emitted from MONITOR OUT jack.

4. Select desired channel with the ▲ or ▼ cursor buttons.

5. Using the ◄ or ► cursor buttons, adjust the volume level of each channel.

Move the cursor to "**RETURN**" with the ▲, ▼, ◄, and ► cursor buttons, and press the **ENTER** button to go to the 1.INPUT SETUP menu.

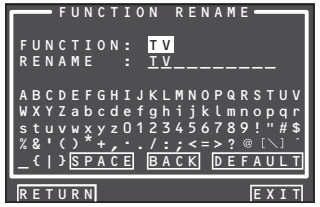
Note:

- The volume level can be set between -12 dB and +12 dB in 1 dB increments on all channels except the subwoofer (SUB W), which can be set from -18dB to +12 dB in 1 dB increments.

1-3 FUNCTION RENAME

Input sources can be registered under any name. This menu is for renaming input source.
This menu is for renaming function name. Names can be up to 10 characters long, including spaces. (Characters are selected from those appearing on the display.) This name appears on the receiver's FL display and the OSD, but it does not appear in the OSD Setup menu.

1. Select "**FUNCTION RENAME**" from the 1. INPUT SETUP menu with the ▲ or ▼ cursor buttons and press the **ENTER** button.



2. Select "**FUNCTION**" with the ▲ or ▼ cursor buttons.

3. Select an input source with the ◄ or ► cursor buttons.

4. Select "**RENAME**" with the ▲ or ▼ cursor buttons.

5. Move the cursor to the character (1st to 10th) to change with the ◄ or ► cursor buttons.

6. Move the cursor to the character list with the ▼ cursor button. (Move the cursor to the letter "A" to begin with.)

7. Select a character with the ▲, ▼, ◄, and ► cursor buttons.

8. Press the **ENTER** button to enter the selected letter.

9. Repeat steps 5-8 until the new name is input.

BACK:
Deletes the character left of the cursor in the "**RENAME**" area one character at a time.

DEFAULT:
Restores the name in the "**RENAME**" area to the name in the "**FUNCTION**" area.

SPACE:
Inserts a space at the cursor point of the "**RENAME**" area.

Note:

- RENAME cannot be left blank.

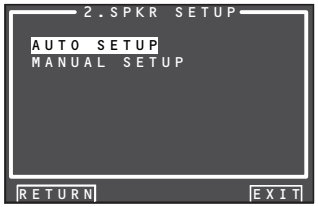
Move the cursor to "**RETURN**" with the ▲, ▼, ◄, and ► cursor buttons and press the **ENTER** button to go to the 1. INPUT SETUP menu.

2 SPKR (SPEAKER) SETUP

After you have installed the SR6001 connected all the components and determined the speaker layout, it is now time to perform the settings in the Speaker Setup menu for the optimum sound acoustics for your environment and speaker layout.
Before you perform the following settings, it is important that you first determine the following characteristics:

- **AUTO SETUP**:
  "2-1 AUTO SETUP (MultEQ Setup)" (see page 32)
- **MANUAL SETUP**:
  "2-2 MANUAL SETUP" (see page 35)

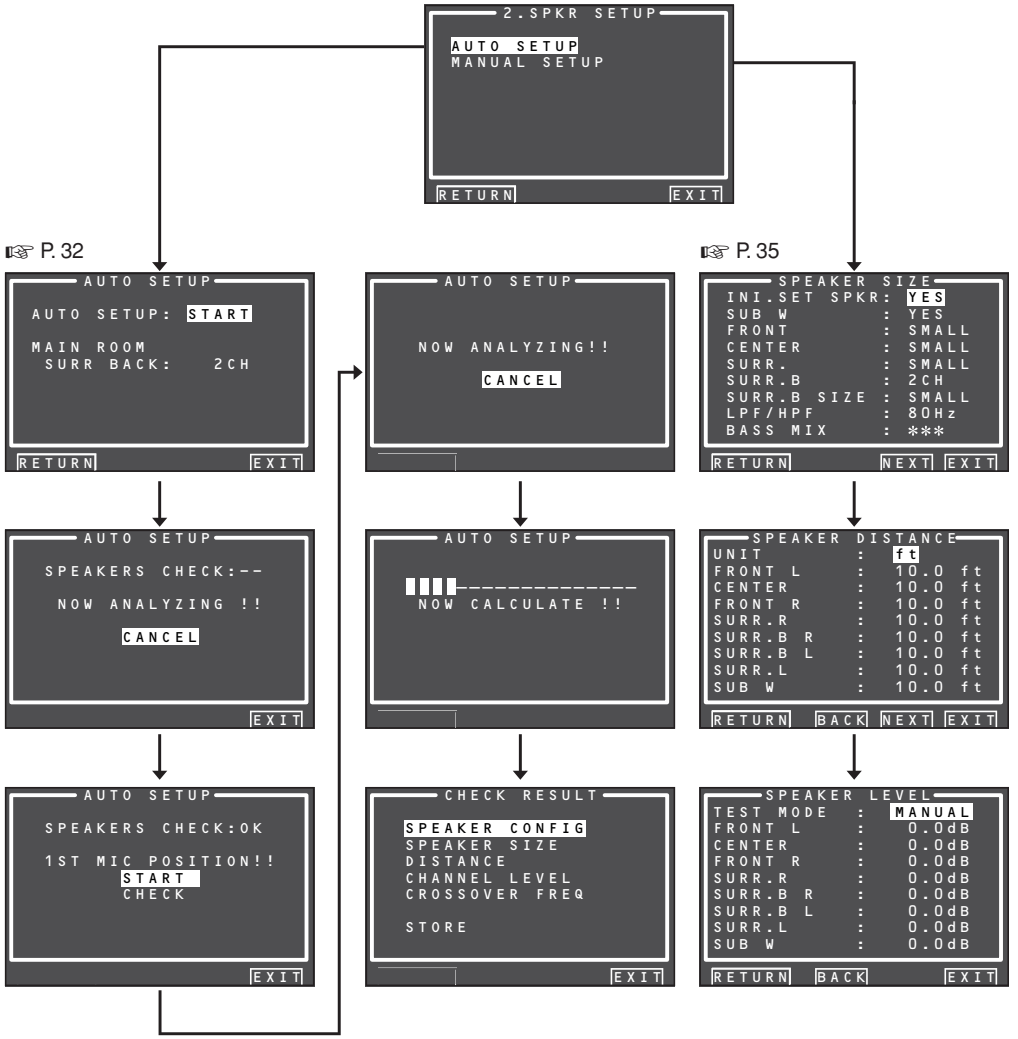
1. Select "**2.SPKR SETUP**" from the MAIN MENU with ▲ or ▼ cursor buttons and press the **ENTER** button.



2. Select the desired menu with the ▲ or ▼ cursor buttons, and press the **ENTER** button.

Note:

- After you complete this the portion of the setup, press the **ENTER** button. The cursor will move to "**RETURN**" and press the **ENTER** button to go to the Sub-menu.



2-1 AUTO SETUP (MultEQ™ SETUP)

The AUTO SETUP (MultEQ™ Setup) feature of the SR6001 measures sound characteristics of the speaker system and room where the receiver is used and automatically optimizes settings.

The Audyssey MultEQ™ technology adopted by the SR6001 provides the best listening environment for multiple listeners.
To do this, the AUTO SETUP feature measures a test tone emitted by each channel in a maximum of 6 listening positions, using the supplied microphone.
The measurement results are analyzed using an original algorithm and environmental settings are made to improve the sound characteristics of the listening area.

Note:

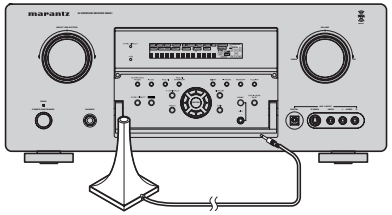
- A special microphone (ACM1, option) is needed to use the Audyssey MultiEQ function. Contact a Marantz Authorized Dealer or Customer Support regarding purchase of this microphone.

To set up the speaker system (i.e., adjusting speaker distance, etc.) without using the AUTO SETUP feature, see "MANUAL SETUP" on page 35 of the manual.

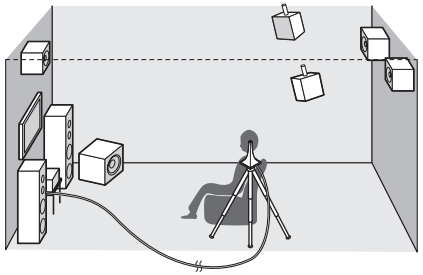
HOW TO PERFORM AUTO SETUP

During measurement, the OSD menu displays the condition, therefore turn power to the monitor on.

1. Connect the supplied microphone to the MIC jack on the SR6001.



2. Set the microphone in the listening position.



Notes:

- Measurement can be done in a maximum of 6 listening positions.

  For the first measurement, set the microphone in the main listening position.
- Use a stand or tripod to position the microphone at ear height in the listening position.
- Remove any obstructions between the speakers and microphone.
- To use the internal subwoofer of the amp, set the volume to the middle point and set the crossover frequency to the highest.
- During measurement, step away from the microphone and operate the SR6001 via the remote control unit from a position that is out of the path of the speaker sound.
- The test tone output from the speakers during measurement is loud. Be mindful of neighbors and watch out for small children.

3. Either press the **MultEQ™** button on the front panel of the SR6001 or select "2. SPKR SETUP" from the MAIN MENU, select "**AUTO SETUP**" with the ▲/▼ cursor buttons, and press the **ENTER** button to display the start screen.

4. Select the number of channels for the surround back speaker you are using.

For a 5.1 channel speaker system, select "NON" (Surround Back speaker off). (To use speaker C or multi speaker, select "NON". See page 24, 41.)

Select "**START**" with the ▲/▼ cursor buttons and press the **ENTER** button to start measurement.

5. Detection Check

During the detection check, the following OSD appears on the display and checks are made to detect dark sound in the listening room, whether there are speakers or not and polarity.

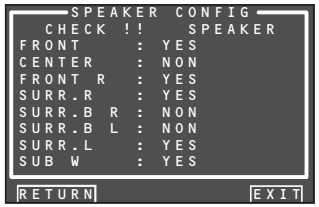
Note:

- The detection check measures the state of use of all speakers whether actually used or not.

  For example, if the center speaker is not used, the test tone will require time to go from the L-channel to the R-channel, therefore be careful not to unplug the microphone or operate the SR6001 during this time.

6. When the detection check ends, the following OSD appears on the display.

Here, to view the results of the detection check, select "**CHECK**" with the ▲/▼ cursor buttons and press the **ENTER** button. The results will be displayed.



If the check results indicate an error, take suitable action with that item and remeasure. (For error messages, see "ERROR MESSAGES" on page 34.)

After confirming the check results, select "**RETURN**" with the ▲/▼ cursor buttons and press the **ENTER** button to return to the OSD menu.

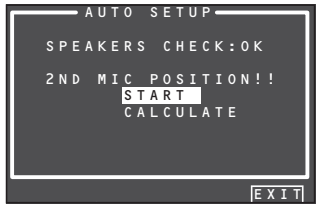
At this point, you can select "**EXIT**" to end Auto Setup and return to "2. SPKR SETUP".

7. Calibration Check

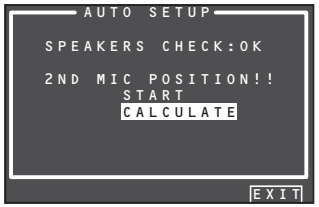
Select "**START**" with the ▲/▼ cursor buttons and press the **ENTER** button to measure the first point (main listening position).

During measurement, the following OSD appears on the display. At this point, you can cancel measurement by selecting "**CANCEL**" with the ▲/▼ cursor buttons and pressing the **ENTER** button.

When this measurement ends, the following OSD appears on the display

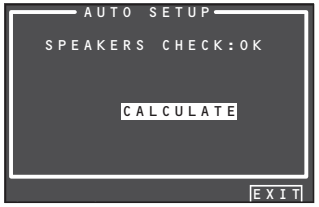


8. 8. Move the microphone to the second listening position, select "**START**" with the ▲/▼ cursor buttons and press the **ENTER** button to measure the second point. At this point, you can cancel second point measurement and calculate measurement results by selecting "**CALCULATE**" and pressing the **ENTER** button.

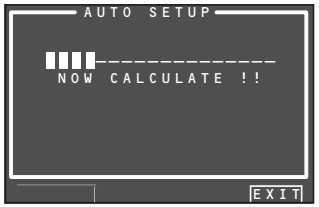


9. Repeat steps 7 and 8 until measuring 6 points between the main listening position and surrounding positions.

When all measurements end, the following OSD appears on the display.



Select "**CALCULATE**" with the ▲/▼ cursor buttons and press the **ENTER** button to calculate measurement results. During calculations, the following OSD appears on the display.

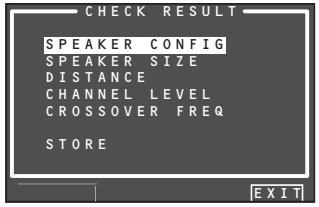


Note:

- Less than 6 positions can be measured, but it is recommended to measure in all 6 positions in order to obtain the best results.
- The time needed to complete calculations depends on the number of connected speakers and measured listening positions. The more speakers and listening positions, the more time is needed.

10. Checking Measurement Results

When calculations for the measurement results end, a screen appears for confirming the calculation results.

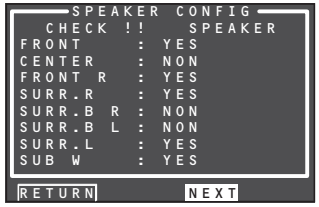


Select items to check with the ▲/▼ cursor buttons and press the **ENTER** button to enter them.

Note:

To check equalizer (MultEQ) parameters, see page 43.

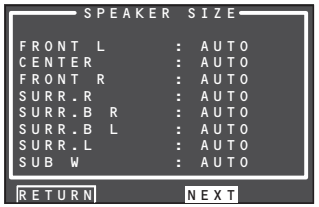
[Example] Confirmation screen for speaker detection

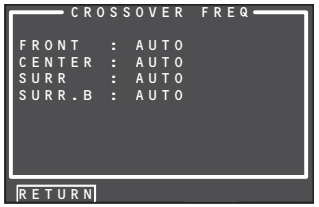


[Example] Confirmation screen for the distance from speakers to the listening position

* The units can be changed by moving the cursor to [ft] of UNIT and pressing ◄ / ► the cursor buttons. Each time a ◄ / ► cursor button is pressed, the units alternate between [ft] (feet) and [m] (meters).

[Example] Confirmation screen for speaker size and crossover frequency

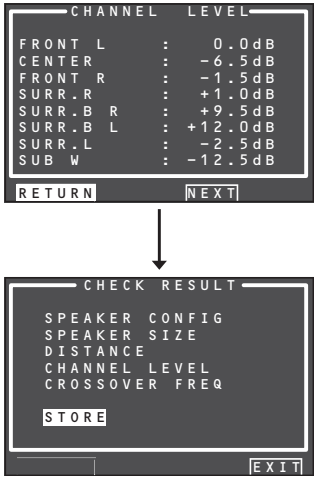




* AUTO is displayed to indicate that the speaker size and crossover frequency results were automatically measured.

11. Storing Measurement Results in Memory

Once finished confirming the measurement results, select "**RETURN**" with the ▲/▼ cursor buttons and press the **ENTER** button to display the CHECK RESULT screen.

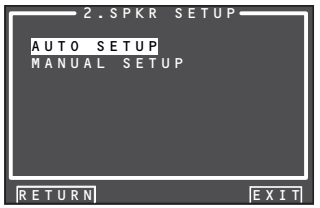


Place the cursor on "**STORE**" and press the **ENTER** button to store all parameters including the equalizer parameters in memory. If not wanting to store the calculation results in memory, place the cursor on "**EXIT**" and press the **ENTER** button.

Note:

Pressing "EXIT" prior to pressing "STORE" erases all measurement results and calculation results, therefore operate the remote control unit with care.

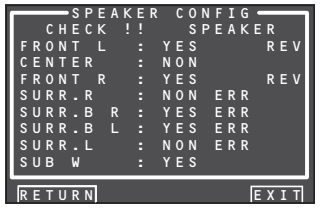
When storing operations end, the following OSD appears on the display.



Note:

- Do not turn the power to the SR6001 off while storing parameters in memory. This may erase all data in the SR6001's memory and may damage the receiver.

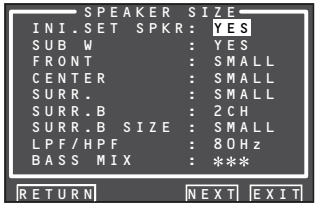
ERROR MESSAGES

Displayed Error	Cause	How to Remedy
MIC SET ERROR!! 	• The microphone is not properly connected.	• Connect the included microphone. • Check the microphone connection.
NOISE ERROR!! 	• There is too much noise in the listening room to measure properly. • Volume from the speakers is low.	• During measurement, turn off devices that make noise such as air conditioners. • Measure at a time when the surrounding area is quiet.
ANALYZE ERROR!!  * Under ANALYZE ERROR, select “NEXT” with the ▲/▼ cursor buttons and press the **ENTER** button. A detail screen like the following appears on the display. 	• The speakers required for suitable playback were not detected. • Speaker polarity is connected backwards. In the examples at left, the following trouble is detected. • The polarity of the left and right channels of the front speakers is backwards ([REV] appears on the display.) • The surround speaker is not connected ([NON] is displayed), but the surround back speaker is connected (In this kind of situation, [ERR] is displayed for all surround and surround back speakers.) An error is indicated in addition to the above if the speakers are connected as follows. • When using just one surround back speaker, but it is connected to the surround back R-channel (To use just one surround back speaker, connect it to the L-channel.)	• Check the speaker that is indicated as having reversed polarity ([REV] can appear with some speakers even when properly connected. In such case, ignore the error indication.) • Check speaker direction and layout

2-2 MANUAL SETUP

1. Select "**2. SPKR SETUP**" from the MAIN MENU.
2. Select "**MANUAL SETUP**" with the ▲ or ▼ cursor buttons.
3. Press the **ENTER** button to enter the selection.

<SPEAKER SIZE>



When setting the speaker size in the SPEAKER SIZE menu, use the guidelines below.

INI. SET SPKR (Initial Setting Speaker):
Setting this to YES allows the following settings to be restored. To change the settings, select "**CUSTOM**."

- The front, center and surround speaker size should be "**SMALL**".
- The subwoofer should be "**YES**".
- LPF/HPF (the crossover frequency) should be "**80Hz**".

LARGE:
The complete frequency range for the channel you are setting will be output from the speaker.

SMALL:
Frequencies of the channel you are setting that are lower than approx. 80 Hz will be output from the subwoofer.
If the SUB. W is set to "**NONE**" and the front speakers are set to "**LARGE**," then the sound will be output from both the left and right speakers.

4. Select each speaker with the ▲ or ▼ cursor buttons.
5. Set the size of each speaker with the ◄ or ► cursor buttons.
6. After you complete this portion of the setup, move the cursor to "**NEXT**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button to go to the next page.

SUB W
YES:
Select when a subwoofer is connected.
NO:
Select when a subwoofer is not connected.

FRONT
LARGE:
Select if the front speakers are large.
SMALL:
Select if the front speakers are small.

- If "**NO**" is selected for the subwoofer setting, then this setting is fixed at "**LARGE**".

CENTER
NONE:
Select if no center speaker is connected.
LARGE:
Select if the center speaker is large.
SMALL:
Select if the center speaker is small.

SURR.
NONE:
Select if no surround left and right speakers are connected.
LARGE:
Select if the surround left and right speakers are large.
SMALL:
Select if the surround left and right speakers are small.

SURR. B
NONE:
Select if no surround back left and right speakers are connected.
2CH:
Select if the surround back left and right speakers are connected.
1CH:
Select if one surround back speaker is connected. In this case, the audio signal is emitted from the SURR BACK LEFT output terminal.

Notes:

- If "**NONE**" is selected for the SURR. setting, then this setting is fixed to "**NONE**."

SURR. BACK SIZE
LARGE:
Select if the surround back speakers are large.
SMALL:
Select if the surround back speakers are small.

Note:

- If "**NONE**" is selected for the SURR. setting, then this setting is not available.

LPF/HPF
When you use a subwoofer, you can select the cutoff frequency for the small speakers used. Select one of the crossover frequency levels according to the size of the small speakers connected.
60Hz → 80Hz → 100Hz → 120Hz → 140Hz → 160Hz → 180Hz

Note:

- If using small front speakers, set a slightly higher frequency. If using large front speakers, set a slightly lower frequency.

BASS MIX

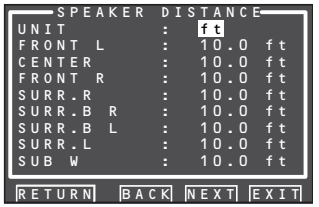
- The bass mix setting is only valid when "**LARGE**" is set for the front speakers and "**YES**" is set for the subwoofer during stereo playback.
  This setting has effect only during playback of PCM or analog stereo sources.
- When "**BOTH**" is selected, the low frequencies will be played through the main L&R speakers and the subwoofer.
  In this playback mode, the low frequency range expands more uniformly throughout the room, but depending on the size and shape of the room, interference may result in a decrease of the actual volume of the low frequency range.
- By selecting "**MIX**", the low frequencies will play through the main L&R only.

Note:

- LFE signals during playback of Dolby Digital or DTS will be played through the subwoofer.

7. After you complete this portion of the setup, move the cursor to "**NEXT**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button to go to the next page.

<SPEAKER DISTANCE>



Use this menu to specify the distance of each speaker's position from the listening position. The delay time is automatically calculated according to these distances.
Begin by determining the ideal or most commonly used seating position in the room.
This is important for the timing of the acoustics to create the proper sound space that the SR6001 and today's sound systems are able to produce.

Note:

- For speakers for which you have selected "**NONE**", the speaker configuration sub-menu will not appear here. (There are several useful books and special DVD and LD's available to guide you through proper home theater configuration. If you are unsure, have your Marantz dealer perform the installation for you. They are trained professionals familiar with even the most sophisticated custom installations. Marantz recommends the **www.cedia.org** website for further information.)

8. Select either **m** (meters) or **ft** (feet) for UNIT with the ◄ or ► cursor buttons.
9. Select each speaker with the ▲ or ▼ cursor buttons.
10. Set the distance for each speaker , press the ◄ or ► cursor buttons.

FRONT L:
Set the distance from the front left speaker to your normal listening position.
CENTER:
Set the distance from the center speaker to your normal listening position.
FRONT R:
Set the distance from the front right speaker to your normal listening position.
SURR. L:
Set the distance from the surround left speaker to your normal listening position.
SURR. R:
Set the distance from the surround right speaker to your normal listening position.

SUB W:
Set the distance from the subwoofer to your normal listening position.

SURR. B L:
Set the distance from the surround back left speaker to your normal listening position.

SURR. B R:
Set the distance from the surround back right speaker to your normal listening position.

Notes:

- Set the distance to each speaker in meters (m) or feet (ft) as follows.

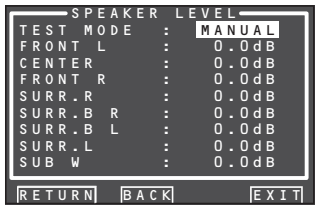
  m: 0.03 - 9.15 m in 0.03 m steps

  ft: 0.1 - 30.0 ft in 0.1 ft steps

  (The values appearing on the FL display are approximate.)
- For the speakers that you have selected "**NONE**" the speaker size menu will not appear.
- The setting for surr.back L and surr.back R appears if it is set, two surround back speakers in the SPEAKER SIZE menu.
- The setting of SURR. BACK appears if it is set for one surround back speaker in the SPEAKER SIZE menu.

11. After you complete this portion of the setup, move the cursor to "**NEXT**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button to go to the next page.

<SPEAKER LEVEL>



Here you can set the volume for each speaker so that they are all heard by the listener at the same level. We recommend holding a dB SPL (Sound Pressure Level) meter at the listening position, at arms length, and pointing straight up at the ceiling, adjust the level of each speaker in turn unit it reads 75dB SPL when the meter is set to "C" weighting and Slow responce.

Note:

- The speaker level settings are not available in 7.1 Channel Input mode, Pure Direct mode and Source Direct mode.

TEST MODE:
Select "**MANUAL**" or "**AUTO**" generation of the test tone with the ◄ or ► cursor buttons.

If you select "**AUTO**", the test tone will be cycled through in a circular pattern beginning at **Left** → **Center** → **Right** → **Surround Right** → **Surround Back Right** → **Surround Back Left** → **Surround Left** → **Subwoofer** → **Left**, in 2 seconds increments for each channel.
Using the ◄ or ► cursor buttons, adjust the volume level of the noise from the speaker so that it is the same level for all the speakers.

If you select "**MANUAL**", adjust the output level of each speaker as listed below.

12. Move the cursor to FRONT L by pressing the ▼ cursor button. The SR6001 will emit a pink noise from the front left speaker.

Remember the level of this noise and then press the ▼ cursor button.

(Note that this can be adjusted to any level between -12 and +12 dB in 0.5 dB increments.)

The SR6001 will now emit the pink noise from the center speaker.

13. Using the ◄ and ► cursor buttons, adjust the volume level of the noise from the center speaker so that it is the same level as the front left speaker.

14. Press the ▼ cursor button again. The SR6001 will now emit the pink noise from the front right speaker.

15. Repeat steps 13 and 14 for the front right and other speakers until all speakers are adjusted to the same volume level.

After you complete this portion of the setup, press the **ENTER** button to move the cursor to "**RETURN**". Press the **ENTER** button to go to "**2. SPKR SETUP**".

Notes:

- Speakers for which you selected "**NONE**" in the SPEAKER SIZE menu will not appear.
- Surr. Back L and Surr. Back R appear if it is set for two surround back speakers in the SPEAKER SIZE menu.
- Surr. Back appears if it is set for one surround back speaker in the SPEAKER SIZE menu.
- To adjust the speaker levels for 7.1 channel input sources, you will need to use the 7.1 Ch Input sub menu. (See page 37)
- SUB W can be set from –18dB to +12dB.

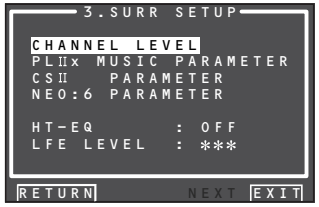
3 SURROUND SETUP

This menu is for setting surround effect parameters for the various surround input signals so as to bring out the live audio effect of your speaker system.

- **CHANNEL LEVEL:**
  "3-1 CHANNEL LEVEL" (see page 37)
- **PLIIx MUSIC PARAMETER:**
  "3-2 PLIIx MUSIC PARAMETER" (see page 38)
- **CSII PARAMETER:**
  "3-3 CSII PARAMETER" (see page 38)
- **NEO:6 PARAMETER:**
  "3-4 NEO:6 PARAMETER" (see page 38)

1. Select "**3. SURR SETUP**" from the MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.

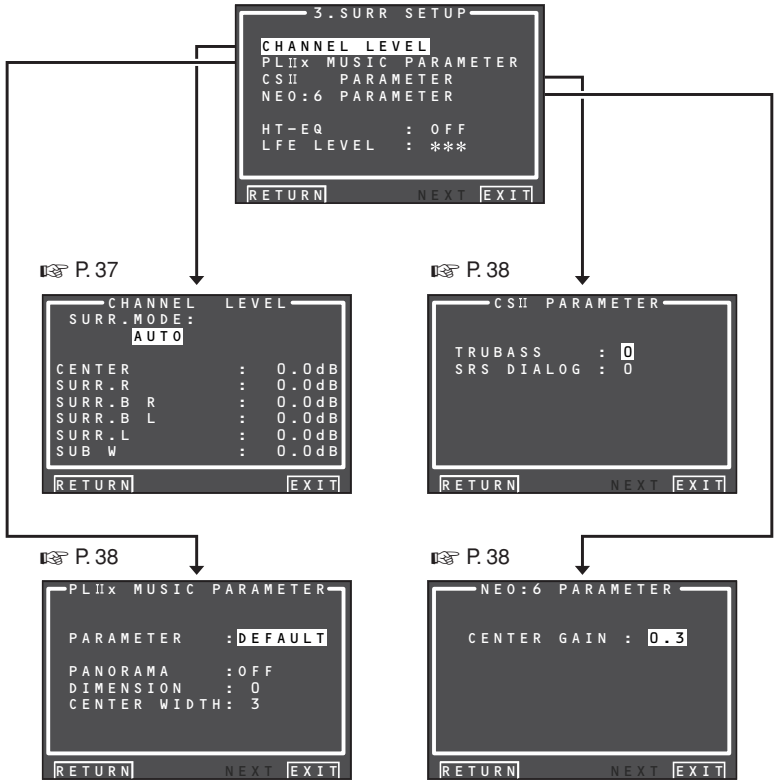
2. Select the desired menu with the ▲ or ▼ cursor buttons and press the **ENTER** button.



HT-EQ:
Select to active the HT-EQ with the ◄ or ► cursor buttons.
The tonal balance of a film soundtrack will be excessively bright and harsh when played back over audio equipment in the home. This is because film soundtracks were designed to be played back in large movie theater environments.
Activating the HT-EQ feature when watching a film made for movie theaters corrects this and restores the correct tonal balance.
The HT-EQ feature is available except in the following modes.
- 7.1 CH INPUT
- PURE-DIRECT
- When Dolby Virtual Speaker is set for the surround mode

LFE LEVEL:
Select the output level of the LFE signal included in the Dolby Digital signal or the DTS signal.
Select "**0dB**", "**–10 dB**" or "**OFF**" with ◄ or ► cursor button.

After you complete this portion of the setup, move the cursor to "**RETURN**" with the ▲, ▼, ◄, ► cursor buttons and press the **ENTER** button.



Note:

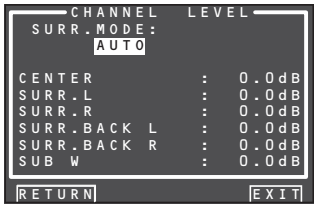
- After you complete this portion of the setup, press the **ENTER** button to move the cursor to "**RETURN**" and press the **ENTER** button again to go to sub-menu.

3-1 CHANNEL LEVEL

1. Select "**3. SURR SETUP**" from MAIN MENU with ▲ or ▼ cursor buttons and press the **ENTER** button.

2. Select "**CHANNEL LEVEL**" with the ▲ or ▼ cursor buttons and press the **ENTER** button.

3. Set the SURR. MODE with the ◄ or ► cursor buttons.



4. Select the desired menu item with the ▲ or ▼ cursor buttons, set the desired level with the ◄ or ► cursor buttons, and press the **ENTER** button.

SURROUND MODE:
The surround mode can be independently set for 3 modes.
1. Multi Ch STEREO
2. CSII
3. Others

CHANNEL LEVEL

CENTER LEVEL:
Set the effect level of the center speaker between **–12** and **+12** level in 0.5 level interval .
- If "**NONE**" was selected for the center speaker setting in the SPEAKER SIZE, then this setting will not appear.

SURR L or R LEVEL:
Set the effect level of the Surround speaker between **–12** and **+12** level in 0.5 level interval .
- If "**NONE**" was selected for the surround speakers setting in the SPEAKER SIZE, then this setting will not appear.

SURR. BACK L or R LEVEL:
Set the effect level of the Surround Back speaker between **–12** and **+12** level in 0.5 level interval .
- If "**NONE**" was selected for the surround back speakers setting in the SPEAKER SIZE, then this setting will not appear.

SUB W LEVEL:
Set the effect level of the subwoofer speaker between **–18** and **+12** level in 0.5 level interval .

- If "**NONE**" was selected for the subwoofer speaker setting in the SPEAKER SIZE, then this setting will not appear.

Note:

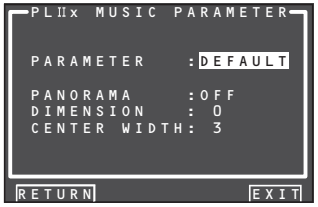
- Setting to a mode other than multichannel stereo or CSII will affect the speaker level as explained in "2-2 MANUAL SETUP".

After you complete this portion of the setup, move the cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button to go to the 3. SURR SETUP menu.

3-2 PLIIx (PRO LOGIC IIx) MUSIC PARAMETER

Pro LogicIIx-Music mode creates a rich and enveloping surround ambience from stereo sources such as CDs.
In this mode, the SR6001 includes three controls to fine-tune the sound field as follows.

1. Select "**3. SURR SETUP**" in MAIN MENU with ▲ or ▼ cursor buttons and press the **ENTER** button.
2. Select "**PLIIx MUSIC PARAMETER**" with the ▲ or ▼ cursor buttons.
3. Press the **ENTER** button to enter the selection.



PARAMETER:
Select "**DEFAULT**" or "**CUSTOM**" with the ◄ or ► cursor buttons.
If you select "**CUSTOM**", you can adjust three parameters as listed below.

PANORAMA:
Select the PANORAMA mode "**ON**" or "**OFF**" with the ◄ or ► cursor buttons.
Panorama wraps the sound of the front left and right speakers around you, for an exciting perspective.

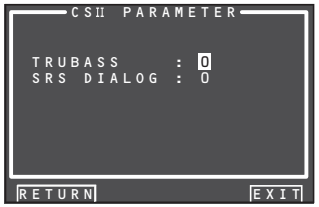
DIMENSION:
Set the DIMENSION level between **0** and **6** level in 1 level intervals with the ◄ or ► cursor buttons.
Adjust the sound field either towards the front or towards the rear.
This can be useful to help achieve a more suitable balance from all the speakers with certain recordings.

CENTER WIDTH:
Set the CENTER WIDTH level between **0** and **7** in 1 level intervals with the ◄ or ► cursor buttons.
Center width allows you to gradually spread the center channel sound into the front left and right speakers.
At its widest setting, all the sound from the center is mixed into the left and right speakers.
This control may help achieve a more spacious sound or a better blend for the front image.
If "**NONE**" was selected for the center speaker setting in the SPEAKER SIZE menu, this setting cannot be selected.

After you complete this portion of the setup, move cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

3-3 CSII PARAMETER

1. Select "**3. SURROUND SETUP**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.
2. Select "**CS II PARAMETER**" with the ▲ or ▼ cursor buttons.
3. Press the **ENTER** button to enter the selection.



TRUBASS:
Set the TRUBASS level between **0** and **6** in 1- level increments with the ◄ or ► cursor buttons.
TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

SRS DIALOG:
Set the SRS DIALOG level between **0** and **6** in 1- increments with the ◄ or ► cursor buttons.
This can be popped out of the surround audio effects, allowing the listener to easily discern what the actors say.
If "**NONE**" was selected for the center speaker setting in the SPEAKER SIZE menu, this setting cannot be selected.

After you complete this portion of the setup, move cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

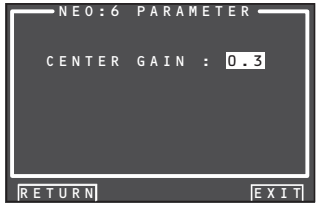
Note:

- This parameter can only be set in the CSII mode.

3-4 NEO:6 PARAMETER

The DTS NEO:6 mode enables a maximum 6.1 channel output with just 2 channel input. (It also supports 5.1 channel input.)
This mode expands the sound image from the center channel.

1. Select "**3. SURROUND SETUP**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.
2. Select "**NEO:6 PARAMETER**" with the ▲ or ▼ cursor buttons.
3. Press the **ENTER** button to enter the selection.



4. Set the CENTER GAIN level between 0.0 and 1.0 in 0.1 level increments with the ◄ or ► cursor buttons.

After you complete this portion of the setup, move cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

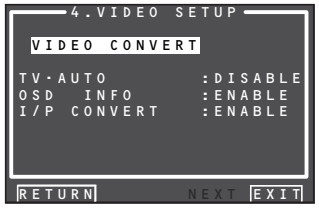
Notes:

- This parameter can only be set in the NEO:6-Music mode.
- If "**NONE**" was selected for the center speaker setting in the SPEAKER SIZE menu, this setting is disabled.

4 VIDEO SETUP

Video settings are made as follows.

1. Select “4. VIDEO SETUP” from the MAIN MENU with the ▲/▼ cursor buttons and press the **ENTER** button.



2. Select the desired menu with the ▲/▼ cursor buttons and press the **ENTER** button.

- **VIDEO CONVERT**

  “4-1 VIDEO CONVERT”

- **TV-AUTO**

  Select the TV AUTO ON/OFF function to enable or disable with the ◄ or ► cursor buttons. (refer to page 50)

- **OSD INFO**

  Select the OSD information function to “**ENABLE**” or “**DISABLE**” with the ◄ or ► cursor buttons.
  If you select “**ENABLE**”, the SR6001 will display the status of the feature (Volume up/down, input select, etc..) on the monitor. If you do not desire this information, select “**DISABLE**”.

Note:

- OSD information is not output to Monitor Output of HDMI and Component Video. However, OSD information is output if the Video Convert function is used to output Video or S-Video video signals to Monitor Out of HDMI and Component Video.

  For details, refer to“VIDEO CONVERT”on page 45.

- **IP CONVERT**

  Select the IP CONVERT ON/OFF function to enable or disable with the ◄ or ► cursor buttons. (refer to page 45)

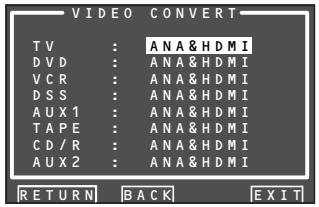
After you complete this portion of the setup, move cursor to “**RETURN**” with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

4-1 VIDEO CONVERT

The SR6001 is equipped to convert video signals for monitor output.
This section explains how to set up conversion for each type of video input.

1. Select “4. VIDEO SETUP” from the MAIN MENU with the ▲ / ▼ cursor buttons and press the **ENTER** button.

2. Select “VIDEO CONVERT” with the ▲ / ▼ cursor buttons and press the **ENTER** button.



3. Select “FUNCTION” with the ▲ / ▼ cursor buttons and set the video conversion mode with the ◄ / ► cursor buttons

ANA&HDMI:
This mode both up-converts and down-converts analog video signals (Composite Video, S-Video, Component Video). Furthermore, it up-converts from analog video signal to HDMI. (It cannot down-convert from HDMI digital video signals to analog video signals.)

ANA ONLY:
This mode both up-converts and down-converts analog video signals (Composite Video, S-Video, Component Video). It does not up-convert to HDMI.

OFF:
This mode turns off all conversion features.

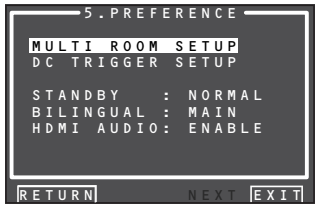
Note:

- For details on video convert feature, see page 45.

5 PREFERENCE

- **MULTI ROOM SETUP :**
  "5-1 MULTI ROOM SETUP" (see page 41)
- **DC TRIGGER SETUP :**
  "5-2 DC TRIGGER SETUP" (see page 41)

1. Select "**5. PREFERENCE**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.



2. Select the desired menu with the ▲ or ▼ cursor buttons and press the **ENTER** button.

STAND BY:
When this is set to "**ECONOMY**", you can reduce the power consumption when the unit is in the Standby mode. When "**ECONOMY**" is selected, "**TV AUTO**" and "**RS-232C**" are disabled when the unit is in the Standby mode.

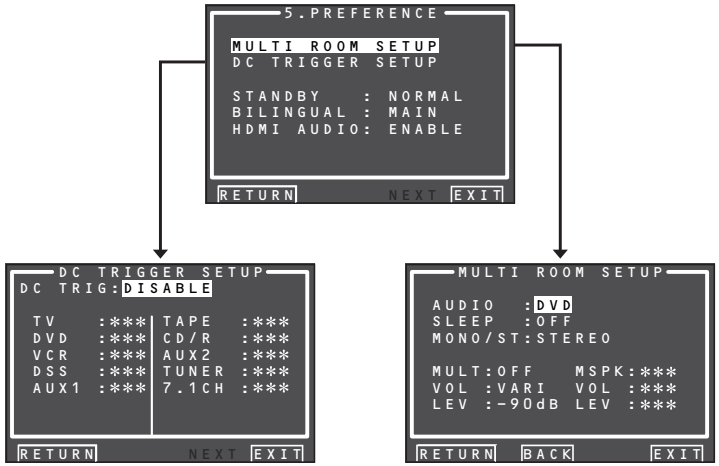
BILINGUAL:
In the Bilingual mode, Dolby Digital and DTS output is set to either "**MAIN**" or "**SUB**". Select "**BILINGUAL**" with the ◄ or ► cursor buttons, then select **MAIN** ↔ **SUB** ↔ **MAIN+SUB** with the ◄ or ► cursor buttons.

HDMI AUDIO:
This setting determines whether to play back audio input to the HDMI jacks through the SR6001 or output it through the receiver to a TV or projector.

ENABLE: The audio input to the HDMI jacks can be played back by this receiver. In such case, audio signals are not output to the TV or projector.

THROUGH: The audio input to the HDMI jacks is not output from the speaker terminals of the SR6001. Audio data is output directly to the TV or projector. This setting is used to listen to audio on a multi channel TV, etc.

After you complete this portion of the setup, move the cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.



5-1 MULTI ROOM SETUP

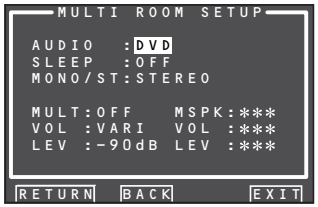
The SR6001 has source selectors, sleep timers and multispeaker output remote control units for the other rooms in the multi room system.
These features can be set from this menu.

1. Select "5. PREFERENCE" from the MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.

2. Select "MULTI ROOM SETUP" with the ▲ or ▼ cursor buttons.

3. Press the **ENTER** button to enter the setting.

The following explanation shows how to operate MULTI ROOM of the multi-room system.



4. Select the desired item with the ▲ or ▼ cursor button.

AUDIO:
Select the audio source of the multiroom output with the ◄ or ► cursor buttons.

SLEEP:
The sleep mode is available when the multiroom is active, set the time with ◄ or ► cursor buttons. The sleep timer can be set to a maximum 90 minutes in 10 minute increments.

MONO/ST:
This mode switches audio output to the multi room system between MONAURAL and STEREO, using the ◄ and ► cursor buttons.

MULTI (MULTI ROOM):
Switch the multiroom output "**ON**" or "**OFF**" with the ◄ or ► cursor buttons.

MSPK (MULTI SPEAKER):
Switch the speaker output "**ON**" or "**OFF**" with the ◄ or ► cursor buttons.

VOL (VOLUME SETUP):
Select whether the multiroom or multi speaker output level is variable or fixed with the ◄ or ► cursor buttons.

LEVEL (VOLUME LEVEL):
Adjust the multiroom output level with the ◄ or ► cursor buttons. The volume can be set between -90 dB and 0 dB in 1 dB increments.

Note:

- This setting can be changed when the SURR B is set to "**NONE**" in the SPEAKER SIZE menu and "**SPEAKER C**" is in the **OFF** position on the rear panel. When this setting is unavailable, "***" is displayed.
- If "**VOLUME**" is set to "**FIXED**", the multiroom output level cannot be adjusted from the A or B room.

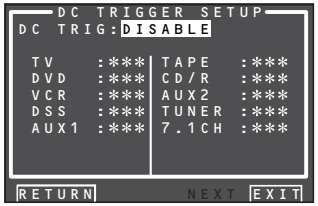
5-2 DC TRIGGER SETUP

This unit has DC trigger control jack, which is linked with input functions of main room or multiroom, and controls DC trigger output.
Each trigger can be setup separately.

1. Select "**5. PREFERENCE**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.

2. Select "**DC TRIGGER SETUP**" with the ▲ and ▼ cursor buttons.

3. Press the **ENTER** button to enter the selection.



4. You can select "**MAIN ROOM**", "**MULTI ROOM**", "**REMOTE**" or "**DISABLE**" with the ◄ or ► cursor buttons.

Note:

- REMOTE is available for the external control. The RC5001SR cannot operate the function.

5. Select desired input source with the ▲ or ▼ cursor buttons.

6. Set to "**ON**" or "**OFF**" with the ◄ or ► cursor buttons.

7. After you complete this portion of the setup, move the cursor to "**RETURN**" with the ▲ or ▼ cursor button and press the **ENTER** button.

Note:

- When an input source that is on in the set room is selected, voltage is output to the DC TRIGGER output terminal.

6 ACOUSTIC EQ

This display is for setting up the equalizer and changing the Equalizer mode.

- **PRESET G. EQ ADJ :**
  "6-1 PRESET G. EQ ADJ" (see page 43)
- **CHECK AUTO :**
  "6-2 CHECK AUTO" (see page 43)

EQ MODE:
There are 4 equalizer modes to choose from: PRESET G. EQ that allows the user to manually adjust the equalizer, and AUDYSSEY, FRONT and FLAT that automatically adjust the equalizer from the measurement results of the AUTO SETUP feature (see page 32).

AUDYSSEY:
This mode adjusts the frequency characteristics of all speakers so as to create the best listening environment for the sound characteristics of the listening room.

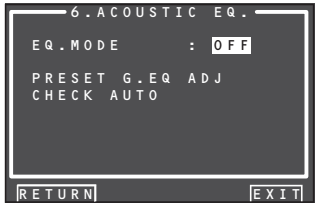
FRONT:
This mode matches the characteristics of each speaker to those of the front speakers.

FLAT:
This mode flattens the frequency characteristics of all speakers. It is suited for playback of multichannel music such as Dolby Digital and DTS.

PRESET:
This mode adjusts the graphic equalizer that S characteristics of each speaker (see page 43).

OFF:
The graphic equalizer is not used.

1. Select "**6. ACOUSTIC EQ**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.



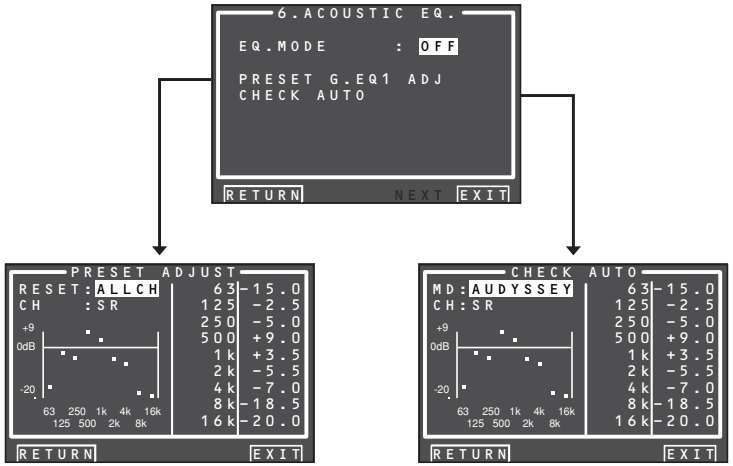
2. Select "**EQ. MODE**" with the ▲ or ▼ cursor buttons.

3. Select "**FRONT**", "**FLAT**", "**AUDYSSEY**", "**PRESET**" or "**OFF**" with the ◄ or ► cursor buttons.

After you complete this portion of the setup, move the cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

Note:

- "AUDYSSEY", "FRONT" and "FLAT" can be selected after executing the AUTO SETUP feature.
- If a speaker that was determined "NON" in Auto Setup is manually turned on, the "AUDYSSEY", "FRONT" and "FLAT" modes cannot be selected.
- The equalizer turns off when the Pure Direct mode, Source Direct mode, Dolby Headphone or Virtual mode is set.



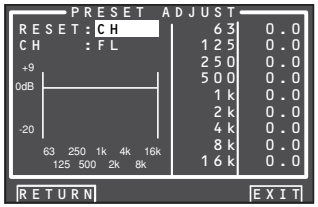
6-1 PRESET G. EQ ADJ

These modes allow you to set a 9-band graphic equalizer for each of the 7 channels.

1. Select "**6. ACOUSTIC EQ**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.

2. Select "**PRESET G. EQ ADJ**" with the ▲ or ▼ cursor buttons.

3. Press the **ENTER** button to enter the selection.



RESET:
Using the ◄ or ► cursor buttons, select the channel(s) to be reset to either the currently displayed channel ("CH") or all channels ("ALL"), and press the **ENTER** button to enter the setting.
"ALL" : Resets all channels.
"CH" : Resets only the currently displayed channel.

CH:
Select the channel ("**FL**", "**C**", "**FR**", "**SR**", "**SBR**", "**SBL**" or "**SL**") to adjust with the ◄ or ► cursor buttons, and switch to the adjustment mode with the ▼ cursor button.

Frequency:
Select the target frequency on the graph with the ◄ or ► cursor buttons and press the **ENTER** button to enter the selection. Adjust the level with the ▲ or ▼ cursor buttons. (Note that this can be adjusted to any level between **–20** and **+9** dB in 0.5 dB increments.)
Move to the next frequency with the ◄ or ► cursor buttons, and adjust the level.

After you complete this portion of the setup, press the **ENTER** button to enter the settings. Move cursor to "**RETURN**" with the ▲, ▼, ◄ and ► cursor buttons and press the **ENTER** button.

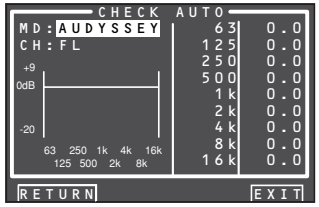
6-2 CHECK AUTO

These menus are for confirming the results of AUTO SETUP function equalizer measurement (AUDYSSEY, FRONT, FLAT).

1. Select "**6. ACOUSTIC EQ**" from MAIN MENU with the ▲ or ▼ cursor buttons and press the **ENTER** button.

2. Select "**CHECK AUTO**" with the ▲ or ▼ cursor buttons.

3. Press the **ENTER** button to enter the selection.



Select MD (mode) with the ▲ / ▼ cursor buttons followed by the desired equalizer ("AUDYSSEY", "FRONT", "FLAT").

CH:
Select the channel to check with the ◄ or ► cursor buttons.

Notes:

- The frequency will not be exactly the same as in the Preset G. EQ modes.
- FL and FR are not indicated on the CHECK AUTO 2 menu.

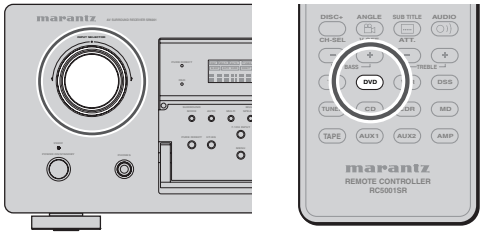
4. Once finished checking, select "**RETURN**" with the ▲ / ▼ cursor buttons and press the **ENTER** button to return to the "6. ACOUSTIC EQ" menu.

BASIC OPERATION
(PLAY BACK)

SELECTING AN INPUT SOURCE

Before you can listen to any input media, you must first select the input source on the SR6001.

Example : DVD

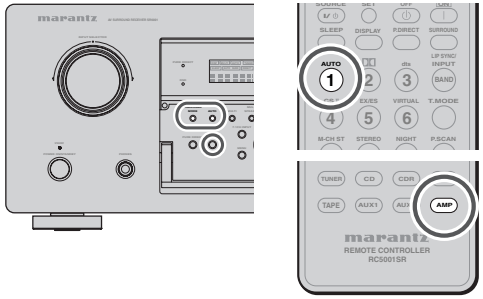


To select DVD, turn the **INPUT SELECTOR** knob on the front panel or press the **DVD** button on the remote two times in a row. After you have selected DVD, simply turn on the DVD player and play the DVD.

- As the input source is changed, the new input name will appear momentarily an OSD information on the video display. The input name will also appear in the display, on the front-panel.
- If you use the FUNCTION RENAME feature (see page 30) , the renamed name appears on the display.
- As the input is changed, the SR6001 will automatically switch to the digital input, surround mode, attenuation, and night mode status which were entered during the configuration process for that source.
- When an audio source is selected, the last video input used remains routed to the **VCR** & **DSS** Outputs and **Monitor** Output. This permits simultaneous viewing and listening to different sources.
- When a video source is selected, the selected video signal is output from the MONITOR OUT terminal.

SELECTING THE SURROUND MODE

Example: AUTO SURROUND

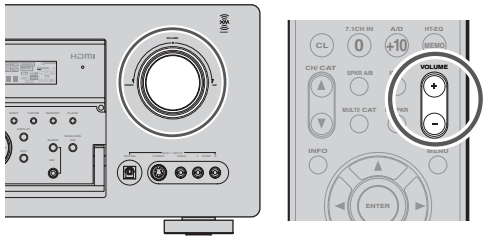


(Using the SR6001)
To select the Auto surround mode during playback, press the **AUTO** button on the front panel.

(Using the remote control unit)
To select the Auto surround mode, press the **AMP** button first to enter the AMP mode then press the **AUTO** button.

- For surround modes, see “Surround Mode” on page 46.
- To select a specific surround mode, Press the individual surround mode button on page 9 on the remote control unit.

ADJUSTING THE MAIN VOLUME



Adjust the volume to a comfortable level using the **VOLUME** control knob on the front panel or **VOLUME** + / – buttons on the remote.
To increase the volume, turn the **VOLUME** knob clockwise or press **VOLUME** + button on the remote, to decrease the volume, turn counterclockwise or press **VOLUME** – button on the remote.

Notes:

- The volume can be adjusted within the range of – ∞ to 18 dB, in steps of 1 dB.
- However, when the channel level is set as described on page 37, if the volume for any channel is set at +1 dB or greater, the volume cannot be adjusted up to 18 dB.

  (In this case the maximum volume adjustment range is “18 dB - Maximum value of channel level)

NIGHT MODE

(Using the remote control unit)
Press the **NIGHT** button to turn on the Night mode. Setting the Night mode to “ON” compresses the dynamic range in Dolby Digital only.
This softens loud passages such as sudden explosions, to help prevent disturbing others late at night. To turn off the Night mode, Press the **NIGHT** button again.

ADJUSTING THE TONE (BASS & TREBLE) CONTROL

During a listening session you may wish to adjust the Bass and Treble Control to suit your listening tastes or room acoustics.

(Using the remote control unit)
To adjust the bass effect, press **BASS+** or **BASS–**.
To adjust the treble effect, **TREBLE+** or **TREBLE–**.

Notes:

- The tone control function is unavailable for the Source Direct, Pure Direct, Dolby Headphone, Dolby Virtual Speaker and 192kHz PCM.
- The tone control function is not available when ACOUSTIC EQ is used.

DIALOGUE NORMALIZATION MESSAGE

Dialogue Normalization (Dial Norm) is a feature of Dolby Digital.
When playing back software which has been encoded in Dolby Digital, sometimes you may see a brief message on the FL display which will read "D-NORM" (X being a numeric value).
Dialogue Normalization serves to let you know if the source material has been recorded at a higher or lower level than usual. For example, if you see the following message: "D-NORM + 4 dB" on the FL display, to keep the overall output level constant just turn down the volume control by 4 dB. In other words, the source material that you are listening to has been recorded 4 dB louder than usual.
If you do not see a message on the FL display, then no adjustment of the volume control is necessary.

VIDEO CONVERT

ANALOG VIDEO CONVERSION

The SR6001 is equipped to convert video signals for monitor output. Because of this, indifferent of the connection (VIDEO, S-VIDEO, COMPONENT VIDEO) between the playback device and the SR6001, listening and viewing are possible with a single higher grade cable between the MONITOR OUT terminal of the SR6001 and the monitor.

UP-CONVERSION FROM ANALOG VIDEO SIGNALS TO HDMI

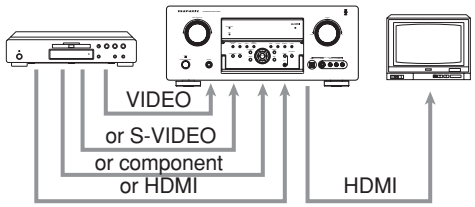
The up-conversion feature of the SR6001 can output the input analog video signals (for component video signals of 480i, 480p, 1080i and 720p resolution, and S-Video and Video (composite) of 480i resolution) to the HDMI MONITOR terminal.

Notes:

- HDMI video input is only output to the HDMI MONITOR OUT terminal of the SR6001. If connecting a playback device such as a DVD player to the HDMI input jack, connect the HDMI MONITOR OUT terminal of the SR6001 to a TV monitor.
- This mode is unavailable for the REC out terminal.
- This mode is unavailable for still picture, fast forward and reverse play on video component.
- If, while attempting to use the video convert feature, the SR6001 cannot synchronize with the display device, "**NO SIGNAL**" appears on the monitor or noise is generated, this feature cannot be used. All of these signs are caused by equipment incompatibility; there is nothing wrong with the SR6001. If this occurs, set "**VIDEO CONVERT**" in the "**VIDEO SETUP**" menu to "**DISABLE**". Next, connect the video input signal to the display component via the MONITOR OUT terminal under VIDEO and the S-video input signal to the display component via the MONITOR OUT terminal under S-VIDEO.
- The video convert feature constantly monitors input video signals and determines whether to convert the input signals or not. However, some input video signals cannot be detected correctly. If this occurs, set "**VIDEO CONVERT**" in the "**VIDEO SETUP**" menu to "**DISABLE**".

CONNECTION EXAMPLE

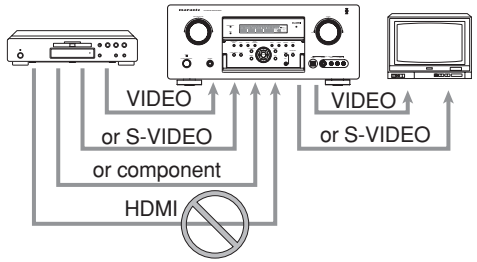
- When a monitor is connected to the HDMI MONITOR OUT terminal of the SR6001



Notes:

- If the resolution of the component video signal input from the playback device is other than 480i, 480p, 1080i or 720p, images are not output from the HDMI MONITOR OUT terminal of the SR6001.
- If the resolution of the S-Video or Video signal input from the playback device is other than 480i, images are not output from the HDMI MONITOR OUT terminal of the SR6001.

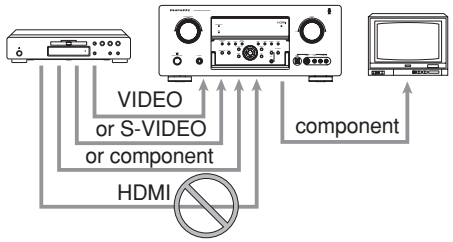
- When a monitor is connected to the VIDEO or S-VIDEO MONITOR OUT terminals of the SR6001



Notes:

- The HDMI video signal input from the playback device is not output from the VIDEO or S-VIDEO MONITOR OUT terminals of the SR6001.
- If the resolution of the component video signal input from the playback device is other than 480i, it is not output from the VIDEO or S-VIDEO MONITOR OUT terminals of the SR6001.

- When a monitor is connected to the COMPONENT VIDEO MONITOR OUT terminal of the SR6001



Notes:

- The HDMI video signal input from the playback device is not output from the COMPONENT VIDEO MONITOR OUT terminal of the SR6001.

Notes of OSD menu system:

- The setup menu can be displayed through all video out terminals ("HDMI", "COMPONENT", "SVIDEO" and "VIDEO").
- OSD information is output only to the VIDEO and S-VIDEO MONITOR OUT terminals.

  OSD information is also output when the video conversion feature is on and the video signal input to the VIDEO or S-VIDEO input jack of the SR6001 is converted and output from the COMPONENT VIDEO or HDMI MONITOR OUT terminals.

I/P CONVERT

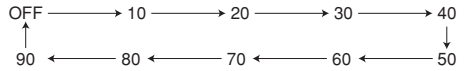
The video circuit of the SR6001 is equipped with an I/P conversion feature.
When this feature is on, 480i analog video signals (VIDEO, S-VIDEO or COMPONENT VIDEO) input from a playback device can be converted to 480p and progressively output to the COMPONENT VIDEO or HDMI MONITOR OUT terminals of the SR6001.
(For setting instructions, see page 39)

TEMPORARILY TURNING OFF THE SOUND

To temporarily silence all speaker outputs such as when interrupted by a phone call, press the **MUTE** button on the remote.
This will interrupt the output to all speakers and the head-phone jack, but it will not affect any recording or dubbing that may be in progress.
When the system is muted, the display will show "**MUTE**" .
Press the **MUTE** button again to return to normal operation.

USING THE SLEEP TIMER

To program the SR6001 for automatic standby, press the **SLEEP** button on the remote.
Each press of the button will increase the time before shut down in the following sequence.



The sleep time will be shown for a few seconds in the display on the front panel, and it will count down until the time has elapsed.
When the programmed sleep time has elapsed, the unit will automatically turn off.
Note that the SLEEP indicator on the display will illuminate when the Sleep function is programmed.
To cancel the Sleep function, press the **SLEEP** button until the display shows "SLEEP OFF" and the SLEEP indicator will disappear.

SURROUND MODE

SURROUND

The SR6001 is equipped with many surround modes. These are provided to reproduce a variety of surround sound effects, according to the content of the source to be played.
The available surround modes may be restricted depending on the input signal and speaker setup.

SOURCE DIRECT

In the Source Direct mode, the tone control circuit Acoustic EQ. and bass management configuration are bypassed for full-range frequency response and the purist audio reproduction.

Notes:

- Speaker size is set to Front L/R = LARGE, Center = LARGE, Surround L/R = LARGE and Subwoofer = YES automatically. Tone controls, equalizer and additional processing are deactivated.
- When you use this mode with certain DVD and CD players, performing operations such as skip or stop may momentarily interrupt the output.

PURE DIRECT

The Pure Direct mode further reduces sources of noise in addition to effect of the Source Direct mode, by blocking output from the video jacks (VIDEO, S-VIDEO, COMPONENT VIDEO and HDMI) and turning the FL display off.

AUTO

When this mode is selected, the SR6001 determines whether the digital input signal is Dolby Digital, Dolby Digital Surround EX, DTS, DTS-ES, DTS 96/24 or PCM audio.
Surround EX & DTS-ES will operate for multichannel sources that have a Dolby Digital Surround EX or DTS-ES auto trigger flag in the digital signal.
When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played.
Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro Logic IIx movie processing before play.
PCM 96 kHz source material can be played in this mode.

Notes:

- When you use this mode with certain DVD and CD players, performing operations such as skip or stop may momentarily interrupt the output.
- When the signal is not decoded, the mode is changed to AUTO mode automatically. See page 48 to confirm the available decoding modes.

□□ MODE

(Dolby Digital, Pro Logic IIx MOVIE, Pro Logic IIx MUSIC, Pro Logic IIx GAME)
This mode is used with source materials encoded in Dolby Digital and Dolby Surround.

DOLBY DIGITAL
This mode is enabled when playing source materials encoded in Dolby Digital.
Playing multichannel-encoded 5.1 channel Dolby Digital sources provides 5 main audio channels (left, center, right, surround left and surround right) and a Low Frequency Effect channel.
Dolby Digital EX decoding is not available in this mode.

Dolby Pro Logic IIx has 5 modes:
Pro Logic IIx MOVIE
This mode provides 6.1 or 7.1 channel surround sound from Dolby Surround, encoded stereo movie soundtracks.
Pro Logic IIx MUSIC
This mode provides 6.1 or 7.1 channel surround sound from conventional stereo sources (analog or digital), such as CD, tape, FM, TV, stereo VCR, etc.
Pro Logic IIx GAME
This mode restores the impact low-frequency surround effects by routing them to the system's subwoofer.
5.1ch + Pro Logic IIx Movie
This mode provides 7.1 channel surround sound from 5.1 channel sources movie soundtracks.
5.1ch + Pro Logic IIx Music
This mode provides 6.1 or 7.1 channel surround sound from 5.1 channel sources music soundtracks.

Notes:

- Pro Logic IIx mode will decode as Pro Logic II mode when the SURR. B is set to "**NONE**" from SPEAKER SETUP menu. (See page 35)
- Pro Logic IIx mode is available for a 2 channel input signal which is encoded in Dolby Digital, HDCD or PCM format.

EX/ES

This mode provides 6.1 channel surround for Dolby Digital EX, and DTS-ES-encoded source material such as DVD.
This mode cannot be used when an analog input has been selected.

Dolby Digital EX
In a movie theater, film soundtracks that have been encoded with Dolby Digital Surround EX technology are able to reproduce an extra channel which has been added during the mixing of the program.
This channel, called surround back, places sounds behind the listener in addition to the currently available front left, front center, front right, surround right, surround left and subwoofer channels.
This additional channel provides the opportunity for more detailed imaging behind the listener and brings more depth, spacious ambience and sound localization than ever before.
Dolby Digital EX is not available in systems that do not have without surround back speaker(s).

DTS-ES (Discrete 6.1, Matrix 6.1)
DTS-ES adds the surround center channel audio to the DTS 5.1 channel format to improve the acoustic positioning, and makes acoustic image movement more natural with the 6.1 channel reproduction.
The SR6001 incorporates a DTS-ES-decoder, which can handle DTS-ES Discrete-encoded and DTS-ES Matrix-encoded program sources from DVD, etc.
DTS-ES Discrete 6.1 features digital discrete recording of all channels, including the surround back channel(s), and higher quality audio reproduction.
DTS-ES is not available in systems that do not have surround back speakers.

dts

dts, Neo:6 Cinema, Neo:6 Music
This mode is for DTS-encoded source materials such as laserdisc, CD and DVD. Neo:6 is for some 2 channel sources.

dts
This mode is enabled when playing source materials encoded in dts multichannel.
Playing multichannel encoded-5.1 channel dts sources provides five main audio channels (left, center, right, surround left and surround right) and a Low Frequency Effects channel.
dts-ES decoding is not available in this mode.
The DTS mode cannot be used when an analog input has been selected.

Neo:6 Cinema, Neo:6 Music

This mode decodes 2 channel signals into 6 channel signals using high-accuracy digital matrix technology. The DTS Neo:6 decoder has near-discrete properties in the frequency characteristics of the channels as well as in channel separation.
According to the signals to be played back, DTS Neo:6 uses either the Neo:6 Cinema mode optimized for movie playback or the Neo:6 Music mode optimized for music playback.

Note:

- The Neo:6 mode is available for 2 channel input signals which are encoded in Dolby Digital, HDCD or PCM format.

MULTI CH. (MOVIE, MUSIC)

This mode is used to create a wider, deeper and more natural soundstage from two channel source material.
This is done by feeding the left channel signal to both the left front and left surround speakers and the right channel signal to both the right front and right surround speakers. Additionally, the center channel reproduces a mix of the right and left channels.

CIRCLE SURROUND II (CSII-CINEMA, CSII-MUSIC, CSII-MONO)

Circle Surround is designed to enable multichannel surround sound playback of non-encoded and multichannel encoded material.
Backward compatibility provides listeners with up to 6.1 channels of surround performance from an entire collection of music and film, including broadcast, videotape and stereo recorded music.
Depending on source material, you can select CSII-Cinema mode, CSII-Music mode or CSII-Mono mode.

Note:

- The CS II mode is available for 2 channel input signals which are encoded in Dolby Digital, HDCD or PCM format.

Dolby Virtual Speaker

Dolby Virtual Speaker technology uses proprietary technology of Dolby Laboratories to create a virtual surround sound field using only two speakers for the front channels, allowing the user to experience sound as if surround speakers were actually being used.

STEREO

This mode bypasses all surround processing.
In stereo program sources, the left and right channels play normally when PCM audio or analog stereo is input.
With Dolby Digital and DTS sources, the 5.1 channels are converted to two channel stereo. 96 kHz PCM source material can be played back in stereo mode.

CAUTION

Notes for DTS

- To connected DVD player, laserdisc player or CD player needs to support DTS digital output. You may not be able to play some DTS source signals from certain CD players and LD players even if you connect the player to the SR6001 digitally. This is because the digital signal has been processed (such as the output level, sampling frequency or frequency response), and the SR6001 cannot recognize the signal as DTS data.
- Depending on the player used, DTS play may produce a short noise. This is not a malfunction.
- While signals from a DTS laserdisc or CD are playing in another surround mode, you cannot switch to digital input or from digital input to analog input from the INPUT SETUP in the MAIN MENU or by pressing the **A/D** button.
- You can not listen to DTS-encoded software in a multiroom.
- The outputs for VCR OUT, TAPE OUT and CD-R OUT output analog audio signals only. Do not record from CDs or LDs that support DTS using these outputs. If you do, the DTS-encoded signal will be recorded as noise.

Notes or Dolby Digital Surround EX

- When playing Dolby Digital Surround EX-encoded software in 6.1 channels, it is required to set the EX/ES mode.
- Note that some Dolby Digital Surround EX-encoded software does not contain the identification signal. In this case, set the EX/ES mode manually.

Notes for 96 kHz/192 kHz PCM audio

- The AUTO, Pure Direct, and Stereo modes can be used when playing PCM signals with a sampling frequency of 96/192 kHz (such as from DVD-Video/ Audio discs).
- Certain DVD player models inhibit digital output. For details, refer to the player's operation manual.
- Some DVD discs feature copy protection. When using such disc, 96 kHz PCM signal are not output from the DVD player. For details, refer to the player's operation manual.

Notes for HDCD

- HDCD is effective only through digital input.
- You may not be able to play some HDCD source signals from certain CD players if you connect the player to the SR6001 digitally. This is because the digital signal has been processed (such as the output level, sampling frequency or frequency response) and the SR6001 cannot recognize the signal as HDCD data.

The relationship between the selected surround mode and the input signal

The surround mode is selected with the surround mode selector on the SR6001 or the remote control unit. However, the sound you hear is subject to the relationship between the selected surround mode and the input signal. That relationship is as follows:

Surround Mode	Input Signal	Decoding	Output Channel					Front information display	
			L/R	C	SL SR	SBL SBR	SubW	Signal format indicators	Channel status
AUTO	Dolby Surr.EX	Dolby Digital EX	O	O	O	O	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Digital 5.1	O	O	O	-	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Dolby Digital 2.0	O	-	-	-	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Pro Logic IIx movie	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	DTS-ES	O	O	O	O	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	DTS-96/24	O	O	O	-	O	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	DTS 5.1	O	O	O	-	O	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Multi Ch-PCM	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	Multi Ch-PCM 96kHz	Multi Ch-PCM 96kHz	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Multi Ch-PCM	O	O	O	-	O	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	PCM (Stereo)	O	-	-	-	O	DSD	L, R
	PCM (Audio)	PCM (Stereo)	O	-	-	-	O	PCM	L, R
	PCM 96kHz	PCM (Stereo 96kHz)	O	-	-	-	O	PCM	L, R
	HDCD	HDCD	O	-	-	-	O	PCM, HDCD	L, R
	Analog	Stereo	O	-	-	-	O	ANALOG	-
	7.1ch input	Multi Ch	O	O	O	O	O	ANALOG	-
SOURCE DIRECT PURE DIRECT	Dolby Surr.EX	Dolby Digital EX	O	O	O	O	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Digital 5.1	O	O	O	-	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Dolby Digital 2.0	O	-	-	-	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Pro Logic IIx movie	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	DTS-ES	O	O	O	O	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	DTS-96/24	O	O	O	-	O	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	DTS 5.1	O	O	O	-	O	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Multi Ch-PCM	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	Multi Ch-PCM 96kHz	Multi Ch-PCM 96kHz	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	DSD (5.1ch)	O	O	O	-	O	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	DSD (2ch)	O	-	-	-	O	DSD	L, R
	PCM (Audio)	PCM (Stereo)	O	-	-	-	-	PCM	L, R
	PCM 96kHz	PCM (Stereo 96kHz)	O	-	-	-	-	PCM	L, R
	HDCD	HDCD	O	-	-	-	-	PCM, HDCD	L, R
	Analog	Stereo	O	-	-	-	-	ANALOG	-
	7.1ch input	Multi Ch	O	O	O	O	O	ANALOG	-
EX/ES	Dolby Surr.EX	Dolby Digital EX	O	O	O	O	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Digital EX	O	O	O	O	O	DD DIGITAL	L, C, R, SL, SR, LFE
	DTS-ES	DTS-ES	O	O	O	O	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS (5.1ch)	DTS-ES	O	O	O	O	O	dts	L, C, R, SL, SR, LFE
	Multi-PCM	Multi Ch-PCM + Dolby Digital EX	O	O	O	O	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Multi Ch-PCM + Dolby Digital EX	O	O	O	O	O	DSD	L, C, R, SL, SR, LFE
DOLBY (PLIIx movie) (PLIIx music) (PLIIx game)	Dolby Surr.EX	Dolby Digital EX	O	O	O	-	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Digital 5.1	O	O	O	-	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (5.1ch)	Dolby Digital 5.1 + PLIIx	O	O	O	O	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Pro Logic IIx	O	O	O	O	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Pro Logic IIx	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	Multi Ch-PCM	Multi Ch-PCM + PLIIx	O	O	O	O	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Multi Ch-PCM + PLIIx	O	O	O	O	O	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	Pro Logic IIx	O	O	O	O	O	DSD	L, R
	PCM (Audio)	Pro Logic IIx	O	O	O	O	O	PCM	L, R
	HDCD	Pro Logic IIx	O	O	O	O	O	PCM, HDCD	L, R
	Analog	Pro Logic IIx	O	O	O	O	O	ANALOG	-
DTS (Neo:6 Cinema) (Neo:6 Music)	DTS-ES	DTS 5.1	O	O	O	-	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	DTS-96/24	O	O	O	-	O	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	DTS 5.1	O	O	O	-	O	dts	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Neo:6	O	O	O	O	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Neo:6	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	DSD (2ch)	Neo:6	O	O	O	O	O	DSD	L, R
	PCM(Audio)	Neo:6	O	O	O	O	O	PCM	L, R
	HDCD	Neo:6	O	O	O	O	O	PCM, HDCD	L, R
	Analog	Neo:6	O	O	O	O	O	ANALOG	-
CSII Cinema CSII Music CSII Mono	Dolby D (2ch)	CSII	O	O	O	O	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	CSII	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	DSD (2ch)	CSII	O	O	O	O	O	DSD	L, R
	PCM(Audio)	CSII	O	O	O	O	O	PCM	L, R
	HDCD	CSII	O	O	O	O	O	PCM, HDCD	L, R
	Analog	CSII	O	O	O	O	O	ANALOG	-
STEREO	Dolby Surr.EX	Stereo	O	-	-	-	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Stereo	O	-	-	-	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Stereo	O	-	-	-	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Stereo	O	-	-	-	O	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	Stereo	O	-	-	-	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	Stereo	O	-	-	-	O	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	Stereo	O	-	-	-	O	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Stereo	O	-	-	-	O	PCM	L, C, R, SL, SR, LFE
	Multi Ch-PCM 96kHz	Stereo	O	-	-	-	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Stereo	O	-	-	-	O	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	Stereo	O	-	-	-	O	DSD	L, R
	PCM (Audio)	Stereo	O	-	-	-	O	PCM	L, R
	PCM 96kHz	Stereo	O	-	-	-	O	PCM	L, R
	HDCD	Stereo	O	-	-	-	O	PCM, HDCD	L, R
	Analog	Stereo	O	-	-	-	O	ANALOG	-

Surround Mode	Input Signal	Decoding	Output Channel					Front information display	
			L/R	C	SL SR	SBL SBR	SubW	Signal format indicators	Channel status
Dolby Virtual Speaker	Dolby Surr.EX	Dolby Virtual Speaker	O	-	-	-	-	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Virtual Speaker	O	-	-	-	-	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Dolby Virtual Speaker	O	-	-	-	-	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Dolby Virtual Speaker	O	-	-	-	-	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	Dolby Virtual Speaker	O	-	-	-	-	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	Dolby Virtual Speaker	O	-	-	-	-	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	Dolby Virtual Speaker	O	-	-	-	-	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Dolby Virtual Speaker	O	-	-	-	-	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Dolby Virtual Speaker	O	-	-	-	-	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	Dolby Virtual Speaker	O	-	-	-	-	DSD	L, R
	PCM (Audio)	Dolby Virtual Speaker	O	-	-	-	-	PCM	L, R
	HDCD	Dolby Virtual Speaker	O	-	-	-	-	PCM, HDCD	L, R
	Analog	Dolby Virtual Speaker	O	-	-	-	-	ANALOG	-
Multi Ch. Movie Music	Dolby Surr.EX	Dolby Digital EX	O	O	O	O	O	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby Digital 5.1	O	O	O	-	O	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Multi Channel	O	O	O	O	O	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Multi Channel	O	O	O	O	O	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	DTS-ES	O	O	O	O	O	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	DTS-96/24	O	O	O	-	O	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	DTS 5.1	O	O	O	-	O	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Multi Ch-PCM	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	Multi Ch-PCM 96kHz	Multi Ch-PCM 96kHz	O	O	O	-	O	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Multi Ch-PCM	O	O	O	-	O	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	Multi Channel	O	O	O	O	O	DSD	L, R
	PCM (Audio)	Multi Channel	O	O	O	O	O	PCM	L, R
	HDCD	Multi Channel	O	O	O	O	O	PCM, HDCD	L, R
	Analog	Multi Channel	O	O	O	O	O	ANALOG	-
Dolby H.P	Dolby Surr.EX	Dolby H.P	O	-	-	-	-	DD DIGITAL EX	L, C, R, SL, SR, S, LFE
	Dolby D (5.1ch)	Dolby H.P	O	-	-	-	-	DD DIGITAL	L, C, R, SL, SR, LFE
	Dolby D (2ch)	Dolby H.P	O	-	-	-	-	DD DIGITAL	L, R
	Dolby D (2ch Surr)	Dolby H.P	O	-	-	-	-	DD DIGITAL DD SURROUND	L, R, S
	DTS-ES	Dolby H.P	O	-	-	-	-	dts, ES	L, C, R, SL, SR, S, LFE
	DTS 96/24	Dolby H.P	O	-	-	-	-	dts 96/24	L, C, R, SL, SR, LFE
	DTS (5.1ch)	Dolby H.P	O	-	-	-	-	dts	L, C, R, SL, SR, LFE
	Multi Ch-PCM	Dolby H.P	O	-	-	-	-	PCM	L, C, R, SL, SR, LFE
	DSD (5.1ch)	Dolby H.P	O	-	-	-	-	DSD	L, C, R, SL, SR, LFE
	DSD (2ch)	Dolby H.P	O	-	-	-	-	DSD	L, R
	PCM (Audio)	Dolby H.P	O	-	-	-	-	PCM	L, R
	HDCD	Dolby H.P	O	-	-	-	-	PCM, HDCD	L, R
	Analog	Dolby H.P	O	-	-	-	-	ANALOG	-

Notes:

- Dolby Digital (2 channel L/R): Speakers for signal with Dolby Surround are fully equipped.
- No sound is outputs from the surround speaker, center speaker and subwoofer if the DVD disc has no surround data.

Abbreviations

L/R : Front speakers
C : Center speaker
SL/SR : Surround speakers
SBL/SBR : Surround back speakers
SubW : Subwoofer

OTHER FUNCTION

TV AUTO ON/OFF FUNCTION

This function allows the component connected to the TV-VIDEO in jack to control the power (ON/OFF) to the SR6001.

AUTO POWER ON

1. Be sure the TV auto mode is ENABLED. (Refer to page 39: PREFERENCE)
2. Connect your TV TUNER (etc) to the TV-VIDEO in terminal. Be sure to connect the VIDEO input.
3. Turn OFF the power to the TV TUNER and the SR6001.
4. Turn ON the TV TUNER and tune in a receivable station.
5. When the station is received, the SR6001 turns ON and TV is selected automatically.

AUTO POWER OFF

1. In the above situation, turn the TV TUNER OFF or select a channel that does not contain any broadcast.
2. The power to the SR6001 switches to STANDBY after approx. 5 minutes.

Notes:

- AUTO POWER OFF is canceled if the SR6001 is set to a source other than TV.

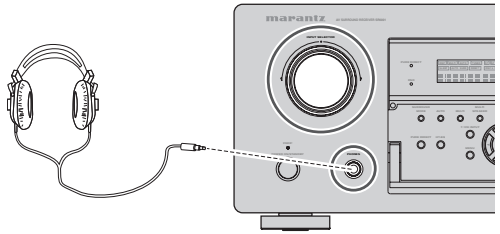
  The function reactivates when TV is selected again.
- Some TV broadcasts may cause the TV AUTO FUNCTION to turn ON.
- The S-Video terminal does not support "TV AUTO ON/OFF" function.

ATTENUATION TO ANALOG INPUT SIGNAL

If the selected analog audio input signal is greater than the capable level of internal processing, the "**PEAK**" indicator will light up on the front display. If this happens, you should press the **ATT** button on the remote.
"**ATT**" indicator will be illuminated when this function is activated. The signal-input level is reduced by about half. Attenuation will not work with the output signal of TAPE-OUT, CD/CD-R and VCR OUT.
This function is memorized for each individual input source.

LISTENING THROUGH HEADPHONES

This jack may be used to listen to the SR6001's output through a pair of headphones. Be certain that the headphones have a standard 1/4" stereo phono plug. (Note that the speakers will automatically be turned off when the headphone jack is in use.)



Note:

- The surround mode returns to the previous setting as soon as the plug is removed from the jack.

DOLBY HEADPHONE MODE

This feature simulates the waveforms of the actual sounds heard from the speakers.
When headphones are used, the **MENU** button automatically switches to the Dolby headphone mode.
The OSD that appears when the **MENU** button is pressed is shown below.

```
      HEAD PHONE

DOLBY HP MODE :DH
SURROUND      :PLII MV


L LEVEL       :+10.0dB
R LEVEL       :  0.0dB
```

DOLBY HP (Headphone) MODE can be selected with the left and right cursor buttons.
BYPASS → DH (DOLBY Headphone) → BYPASS

BYPASS: Bypasses the Dolby headphone mode and delivers ordinary 2-channel stereo.

DH: Dolby Headphone is a signal processing system that delivers a sound similar to room speakers.

It makes it possible to experience the volume and space of a 5-channel surround system using ordinary stereo headphones.

When the PURE DIRECT mode is selected, Dolby surround processing is bypassed and "✻✻✻" is displayed as the mode indication.

The surround mode can be selected when the modes in DH is selected.

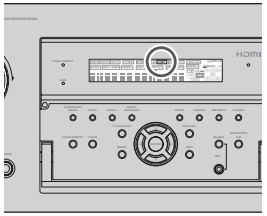
L/R LEVEL can be set in the ±12 dB range.

Notes:

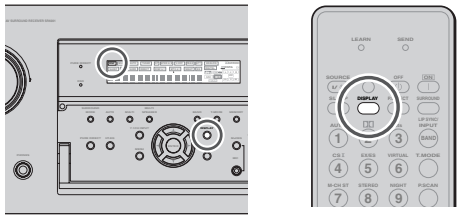
- The surround mode returns to the previous setting as soon as the plug is removed from the jack.
- TONE and ACOUSTIC EQ cannot be set when the DH mode is selected.

VIDEO ON/OFF

When no video signal is connected to the SR6001 or a DVD, etc., is connected directly to your TV, the unnecessary video circuit can be turned off by selecting the "**VIDEO OFF**" setting.
To select video off, press the **AMP** button and press the **V-OFF** button.



DISPLAY MODE



You can select the display mode for the front display of the SR6001.
To select this mode, press the **DISPLAY** on the remote control or the front panel.
When this button is pressed, the display mode is switched in the following sequence.
Input Mode → Surround Mode → Auto display OFF → Display OFF → Normal Mode → Input Mode

Normal Mode:
Displays the selected input function. If the function has been renamed using the Function Rename feature (see page 30), the renamed name appears on the display.

Input Mode:
Displays the input mode set via the Function Input Setup feature (see page 29).

Surround Mode:
Displays the status of the selected surround mode.

Auto Display Off mode:
The display is off. But, if you make a change to the unit such as the input or surround mode, the display will show that change, then go back to off after about 3 seconds. When changing the volume, it is not displayed.

Display Off mode:
The display is off completely.

Note:

- Only the DISP indicator will be illuminated on the front display in display off condition.

SELECTING ANALOG AUDIO INPUT OR DIGITAL AUDIO INPUT

If you have already assigned the digital inputs, you can temporarily select the audio input mode for each input source as following procedures.
Press the **AMP** button first to enter the AMP mode then press the **A/D** button.
When this button is pressed, the input mode is switched in the following sequence.
Auto → HDMI → Digital → Analog → Auto

Auto mode:
The types of signals being input to the digital and analog input jacks for the selected input source are detected automatically.
If no digital signal is being input, the analog input jacks are selected automatically.

HDMI mode:
HDMI mode can be selected only when an HDMI input has been assigned as an input source.
When "HDMI AUDIO" under PREFERENCE of the SETUP MENU is set to "THROUGH", the HDMI mode cannot be selected.

Digital mode:
The input signal is fixed to an assigned digital input terminal.

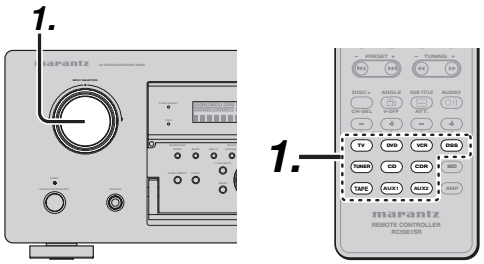
Analog mode:
The analog input jacks are selected.

This selection is temporary and will not be stored in memory.
To store changes to the input mode, select "**1. INPUT SETUP**" from the MAIN MENU. (See page 29)

RECORDING AN ANALOG SOURCE

In normal operation, the audio or video source selected for listening through the SR6001 is sent to the record outputs.
This means that any program you are watching or listening to may be recorded simply by placing machines connected to the outputs for **TAPE OUT**, **CD/CDR OUT** and **VCR OUT** in the record mode.

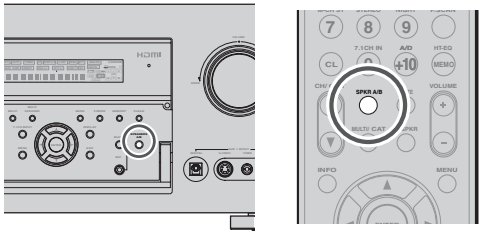
To record the input source signal you are currently watching or listening to



1. Select the input source to record by turning the **INPUT FUNCTION SELECTOR** knob on the front panel or simply press the input selector buttons on the remote.

   The input source is now selected and you may watch or listen to it as desired.
2. The currently selected input source signal is output to the **TAPE OUT**, **CD/CDR OUT** and **VCR OUT** outputs for recording.
3. Start recording to the recording component as desired.

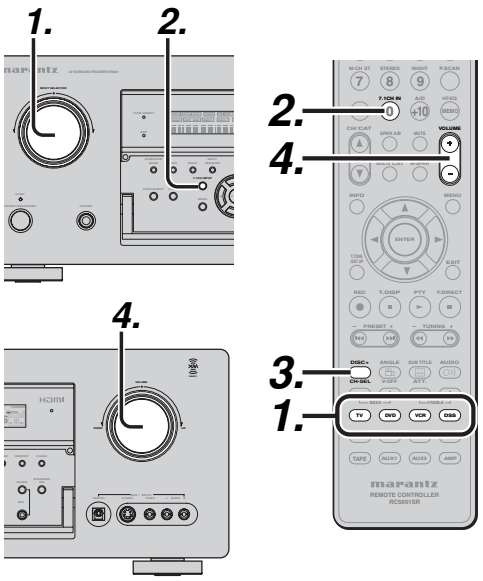
SPEAKER A/B



SR6001 has speaker system - A and speaker system- B for front L/R channels.
You can select these systems by pressing **SPEAKERS A/B** button on the front panel or **SPKR A/B** on the remote.

7.1 CH INPUT

The SR6001 is equipped for future expansion through the use of Multi channel Super Audio CD multichannel player or DVD-Audio player.
When this is selected, the input signals connected to the L(front left), R (front right), CENTER, SL (surround left), SR (surround right) and SBL (surround back left) and SBR (surround back right) channels of the 7.1 CH. In jacks are output directly to the front (left and right), center, surround (left and right) and surround back speaker systems as well as the pre-out jacks without passing through the surround circuitry.
In addition, the signal input to the SW (subwoofer) jack is output to the PRE OUT SW (subwoofer) jack.
When 7.1 CH. INPUT is selected, the last video input used remains routed to the **Monitor Outputs**.
This permits simultaneous viewing with video sources



1. Select a desired Video source to decide the routed video signal to the **Monitor Outputs.**
2. Press the **7.1 CH INPUT** button on the front panel or press **7.1 CH** on the remote to switch the 7.1 channel input.
3. If it is necessary to adjust the output level of each channel, press the **CH-SEL** button on the remote.

   Adjust the speaker output levels so that you can hear the same sound level from each speaker at the listening position. For the front left, front right, center, surround left, surround right and surround back speakers, the output levels can be adjusted between –12 to +12 dB.

   The subwoofer can be adjusted between –18 and +12 dB.

   These adjustments result will be stored to 7.1 CH. INPUT memory.
4. Adjust the main volume with the **MAIN VOLUME** knob or the **VOL** buttons on the remote.

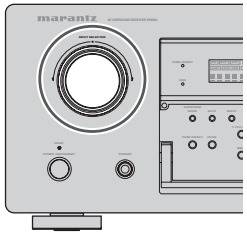
To cancel the 7.1 CH. INPUT setting, press the **7.1 CH INPUT** button on the front panel or press **7.1 CH** on the remote.

Notes:

- When the 7.1 CH. Input is in use, you may not select a surround mode, as the external decoder determines processing.
- In addition, there is no signal at the record outputs when the 7.1 CH. Input is in use.

AUX2 INPUT

If you don't need to connect 7.1 Ch. input terminals with multi channel decoder,
L(front left) and R (front right) inputs terminals are available as AUX2 input.
In this case, You can connect additional audio source to AUX2 as other audio input terminals.



LIP.SYNC

Depending on the image device (TV, monitor, projector, etc.) connected to the SR6001, a time lag can occur between image signal processing and audio signal processing. Though minor, this time lag can interfere with movie and music enjoyment. The LIP.SYNC feature delays the audio signal with respect to the image signal output from the SR6001 to correct the time lag between the sound and image. It can be operated with the "**LIP SYNC**" and ◄ and ► cursor buttons of the remote controller. Set the remote controller to the AMP mode before operating the LIP.SYNC feature. The initial setting is OFF (0 ms).The time lag can be adjusted in 10 ms steps up to 200 ms.
Watch the picture on the image device (i.e., TV, monitor, projector, etc.) as you adjust the time lag.

Note:

- The LIP.SYSNC feature turns OFF (0 ms) in the SOURCE/PURE DIRECT mode. When the SOURCE/PURE DIRECT mode is deactivated, the set value of the LIP.SYSNC feature is automatically restored.

BASIC OPERATION
(TUNER)

To operate the unit from the remote control, press the **TUNER** button on the remote control so that the tuner mode is engaged.

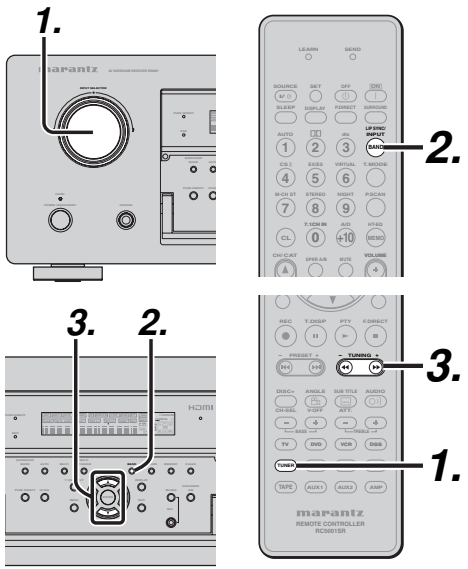
LISTENING TO THE TUNER

Frequency scan step for AM is selectable.
Default setup is 10 kHz step, if your country's standard is 9 kHz step, Press **BAND** button on the front panel or **TUNER** button on the remote more than 5 seconds. Scan step will change.

Note:

- Preset memory for the tuner will clear by changing this setup.

AUTO TUNING



(Using the SR6001)

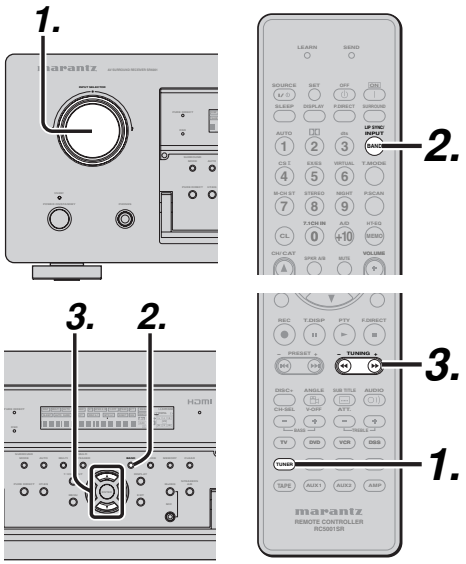
1. Turn the INPUT SELECTOR knob to select "**TUNER**".
2. Press the **BAND** button to select either FM or AM.
3. Press the ▲ or ▼ cursor buttons on the front Panel for more than 1 second to start the auto tuning function.
4. Automatic searching begins then stops when a station is tuned in.

(Using the remote control unit)

1. To select tuner, Press the **TUNER** button twice within two second on the remote.
2. Press the **BAND** button to select either FM or AM.
3. Press and hold the **TUNING +** or **–** button for 1 second or more.
4. Automatic searching begins then stops when a station is tuned in.

If tuning does not stop at the desired station, use to the "Manualtunin" operation.

MANUAL TUNING



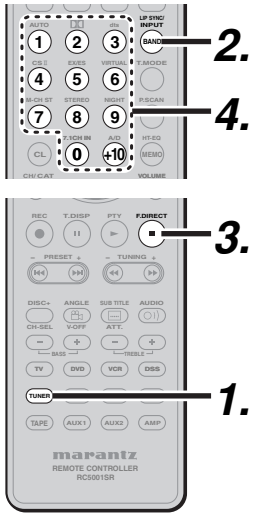
(Using the SR6001)

1. Turn the INPUT SELECTOR knob to select "**TUNER**".
2. Press the **BAND** button to select either FM or AM.
3. Press the ▲ or ▼ cursor buttons on the front Panel to select the desired station.

(Using the remote control unit)

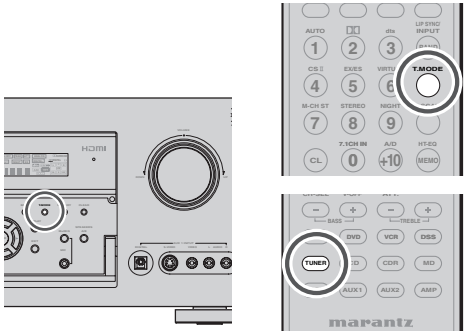
1. To select tuner, press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select either FM or AM.
3. Press the **TUNING +** or **–** button to tune in the deseired station.

DIRECT FREQUENCY CALL



1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select either FM or AM.
3. Press the **F.DIRECT** on the remote, display will show **"FREQ----"**.
4. Input your desired station's, frequency with the ten numbered keypad on the remote.
5. The desired station will automatically be tuned.

(FM) TUNING MODE (AUTO STEREO OR MONO)



When in the auto stereo mode, **AUTO** indicator will be illuminated on the display.
The "**ST**" indicator is illuminated when a stereo broadcast is tuned in.
At open frequencies, the noise is muted and the "**TUNED**" and "**ST**" indicators are not illuminated.
If the signal is weak, it may be difficult to tune into the station in stereo. In such a case, Press the **MODE** button on the front panel. Press the **MODE** button or **TUNER** button, and press the **T.MODE** button.
"**AUTO**" indicator is not illuminated, if FM stereo broadcasts are received in monaural and the "**ST**" indicator is not illuminated.
To return to auto stereo mode, Press the **MODE** button or Press **T.MODE** button on the remote again.
AUTO indicator is illuminated the display.

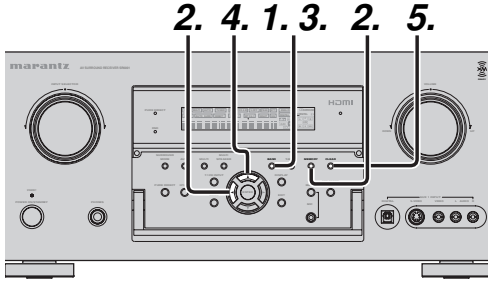
ENGLISH

PRESET MEMORY

With this unit you can preset up to 60 FM/AM stations in any order.
For each station, you can memorize the frequency and reception mode if desired.

AUTO PRESET MEMORY

This function automatically scans the FM and AM band and enters all stations with proper signal strength into the memory.



1. To select FM , press the **BAND** button on the front panel.
2. While pressing the **MEMORY** button, press the ◄ cursor button.

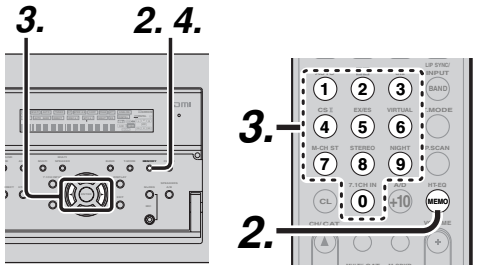
   "**AUTO PRESET**" will appear on the display, and scanning starts from the lowest frequency.
3. Each time the tuner finds a station, scanning will pause and the station will be played for five seconds.

   During this time, the following operations are possible.

   The band can be changed by the **BAND** button.
4. If no button is pressed during this period, the current station is memorized in location Preset 02.

   If you wish to skip the current station, press the ▲ cursor button during this period, this station is skipped and auto presetting continues.
5. Operation stops automatically when all 50 preset memory positions are filled or when auto scanning attains the highest end of all bands. If you desire to stop the auto preset memory at anytime, press the **CLEAR** button.

MANUAL PRESET MEMORY



(Using the SR6001)

1. Tune into the radio station you desire (Refer to the "**MANUAL TUNING**" or "**AUTO TUNING**" section).
2. Press the **MEMORY** button on the front panel. "**– –**" (preset number) starts blinking on the display.
3. Select the preset number by pressing the ◄ or ► cursor buttons, while this is still blinking (approx. 5 seconds)
4. Press the **MEMORY** button again to enter. The display stops blinking.

   The station is now stored in the specified preset memory location.

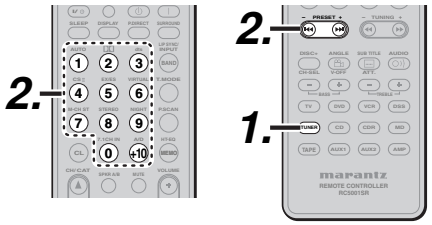
(Using the remote control unit)

1. Tune into the radio station you desire (Refer to the "**MANUAL TUNING**" or "**AUTO TUNING**" section).
2. Press the **MEMO** button on the remote. "**– –**" (preset number) starts blinking on the display.
3. Enter the desired preset number by pressing the **numeric** buttons.

Note:

- When entering a single digit number (2 for example), either input "02" or just input "2" and wait for a few seconds.

RECALLING A PRESET STATION



(Using the SR6001)

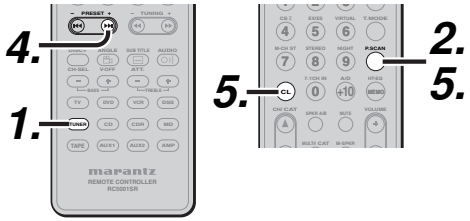
1. Select the desired preset station by pressing the ◄ or ► cursor buttons on the front panel.

(Using the remote control unit)

1. Press the **TUNER** button twice within two seconds on the remote.
2. Press the **PRESET +** or **–** button to tune in the deseired preset station.

   Or enter the preset station number with the **numeric** buttons.

PRESET SCAN



(Using the remote control unit)

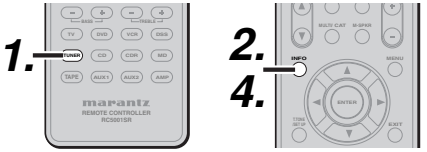
1. Press the **TUNER** button twice within two seconds on the remote.
2. Press the **P.SCAN** on the remote.

   "**PRESET SCAN**" appears on the front display and then the preset station with the lowest preset number is recalled first.
3. Preset stations are recalled in sequence (No.1 → No.2 → etc.) for 5 seconds each.

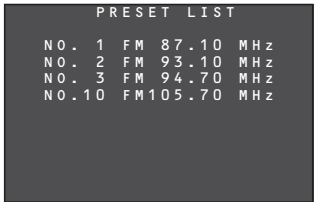
   No stored preset number will be skipped.
4. You can fast forward the preset stations, press the **PRESET +** continuously.
5. When the desired preset station is received, cancel the preset scan operation by pressing the **CL** button or **P.SCAN** on the remote.

PRESET CHANNEL LIST DISPLAY

A complete list of the broadcast channels stored in this unit can be displayed.



1. Press the **TUNER** button on the remote control twice within two seconds to switch to the TUNER function.
2. Press **INFO** on the remote control.
3. The list of preset channels will be displayed on the screen of the TV monitor connected to this unit.



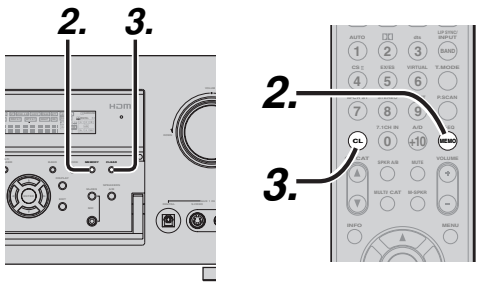
4. Up to 10 channels can be displayed at a time.

   If there are more than 10 channels, press **INFO** on the remote control once more to display the next page.

The list display will disappear automatically in 5 seconds.

CLEARING STORED PRESET STATIONS

You can remove preset stations from the memory using the following procedure.

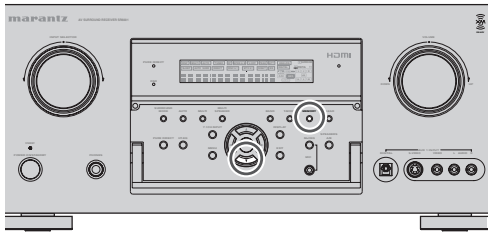


1. Recall the preset number to be cleared with the method described in “Recalling” a preset station.
2. Press the **MEMORY** button on the front panel or press the **MEMO** button on the remote.
3. The stored preset number blinks in the display for 5 seconds. While blinking, press the **CLEAR** button on the front panel or press the **CL** button on the remote.
4. “**xx CLEAR**” appears on the display to indicate that the specified preset number has been cleared.

Note:

- To clear all stored preset stations, press and hold the **CLEAR** and the **ENTER** buttons for two seconds.

SORTING PRESET STATIONS



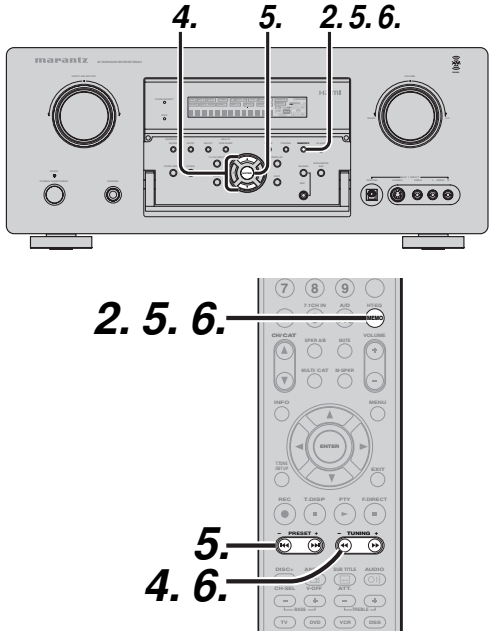
If you have stations memorized, and there is a gap in the sequential order:
I.e. the stations are stored as follows

1) 87.1 MHz
2) 93.1 MHz
3) 94.7 MHz
10) 105.9 MHz

(notice there is no stations programmed for pre sets for 4-9), you can have pre set 10 become pre set 5:
To sort the numbers, press and hold the **MEMORY** and the ▼ cursor buttons.
“**PRESET SORT**” will appear on the display and sorting will be done.

NAME INPUT OF THE PRESET STATION.

This function allows the name of each preset channel to be entered using alphanumeric characters.
Before name inputting, you need to store preset stations with the preset memory operation.



1. Recall the preset number to be inputted name with the method described in “Recalling” a preset station.
2. Press the **MEMORY** button on the front panel or press the **MEMO** button on the remote for more than 3 seconds.
3. The left most column of the station name indicator flashes, indicating the character entry ready status.
4. When you press the ▲ or ▼ cursor buttons on the front panel or the **TUNING +** or **–** buttons on the remote control unit, alphabetic and numeric characters will be displayed in the following order:

   A → B → C ... Z → 1 → 2 → 3 ..... 0 → – → + → / → (Blank) → A

   UP →

   → DOWN

5. After selecting the first character to be entered, press the **MEMORY** or **ENTER** button, or press the **MEMO** button on the remote.

   The entry in this column is fixed and the next column starts to flash. Fill the next column the same way.

   To move back and forth between the characters, press the ◄/► cursor buttons or press **PRESET +** or **–** button on the remote.

Note:

- Unused columns should be filled by entering blanks.

6. To save the name, press the **MEMORY** or **ENTER** button on the front panel, or press the **MEMO** button on the remote for more than 2 seconds.

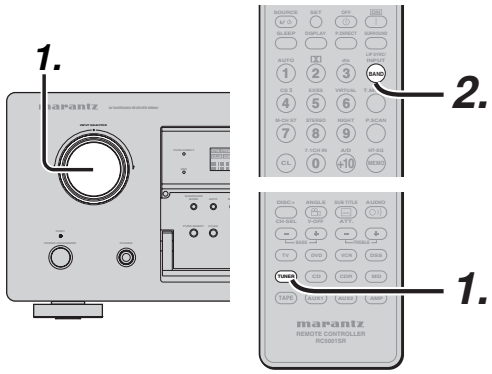
   Instead of using the ▲ and ▼ cursor buttons or the **TUNING +** or **–** buttons of the remote controller unit to select characters, characters can be input from the numeric keys of the remote control unit. See the below table for a correspondence between characters and numeric keys.

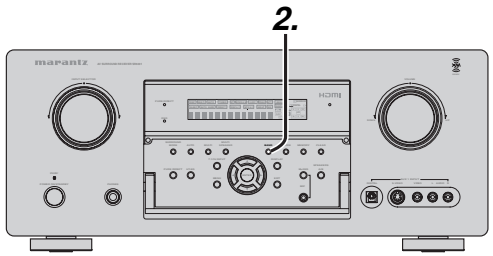
Ten keypad	Press, press again, press again, etc.
1	A → B → C → 1 → A
2	D → E → F → 2 → D
3	G → H → I → 3 → G
4	J → K → L → 4 → J
5	M → N → O → 5 → M
6	P → Q → R → 6 → P
7	S → T → U → 7 → S
8	V → W → X → 8 → V
9	Y → Z → space → 9 → Y
0	– → + → / → 0

LISTENING TO XM SATELLITE RADIO

SELECTING AN INPUT SOURCE

Before you can listen to XM Satellite Radio, you must first select the input source on the SR6001.





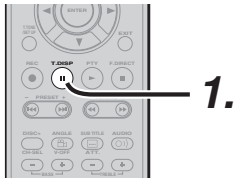
(Using the SR6001)

1. Turn the **INPUT SELECTOR** knob to select "TUNER".
2. Press the **BAND** button to select either XM or DAB.

(Using the remote control unit)

1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.

CHECKING THE XM SIGNAL STRENGTH AND RADIO ID



1. Press the **T.DISP** button 3 times to displayed Signal Status.

- The display changes as shown below according to the receiving condition.

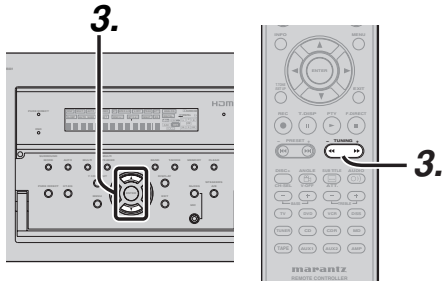
SIGNAL: ■■■■■■
SIGNAL: STRONG
(Signal strength is good)

SIGNAL: ■■■■
SIGNAL: MARGINAL
(Signal strength is Marginal)

SIGNAL: ■■
SIGNAL: WEAK
(Signal strength is poor)

XM NO SIGNAL
SIGNAL: NON
(Loss of the signal)

2. Adjust the antenna location until signal strength is good.
3. Select channel 0 (XM000) with the ▲ or ▼ cursor buttons of the SR6001 or the ◄◄ or ►► buttons of the remote control unit.



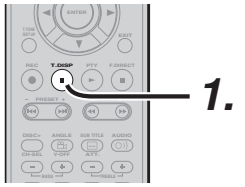
- The Radio ID is displayed.

Note:

- If "**ANTENNA**" appears in the front panel display, the XM Mini-Tuner and Home Dock may not be connected to the XM terminal on the rear panel of this unit properly.
- The ATT function is also effective when XM is selected.

SWITCHING XM INFORMATION IN THE FRONT PANEL DISPLAY

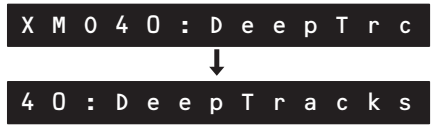
You can display XM information (such as artist name/ song title, category or signal status) for the channel currently selected in the front panel display.



1. Press the **T.DISP** button to displayed INFORMATION.

Channel number/name
↓
Artist name/Song title
↓
Channel category
↓
Signal Status

When the Channel number/name mode is displayed:



(If text is more than 13 characters long, the text is scrolled.)

Note:

The front Panel display can indicate up to 13 alphanumeric characters at once. If the information contains more then 13 characters, the information scrolls from right to left.

When the Artist name/Song title is displayed:

```
NAME/TITLE
    ↓
Pink Floid /
    ↓
Floid / Money
```

The “NAME/TITLE” is displayed for 2 seconds, followed by the artist’s name and song title.
(If artist’s name or song title is more than 13 characters long, the text is scrolled.)

Note:

The front Panel display can indicate up to 13 alphanumeric characters at once. If the information contains more then 13 characters, the information scrolls from right to left.

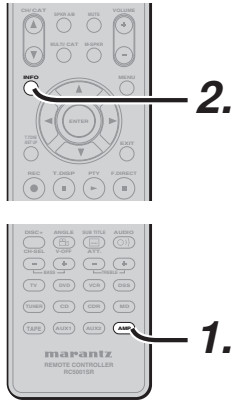
When the channel category is displayed:

```
CAT:Rock
```

Note:

- To change the display content from XM information to SR6001 functions, do so from the display mode.
  (See “DISPLAY MODE” on page 51)

This XM information can also be displayed on a TV monitor connected to the SR6001.



1. Press the **AMP** button on the remote control unit.

2. Press the **INFO** button. The following information display will be output.

```
VIDEO      :DVD
AUDIO      :XM


SURR-MODE  :AUTO

MULTIROOMA:ON   SPK:OFF
MULTIROOMB:OFF  SPK:OFF
      MAIN VOLUME
  --------------------
```

3. When this display appears, press the **INFO** button again. XM information like the following will appear.

```
      XM INFORMATION

XM      :040
CHAN    :DeepTracks
NAME    :Pink Floid
TITLE   :Money
CAT     :Rock

SIGNAL:MARGINAL
```

4. Press the **INFO** button again. The information display will go out.

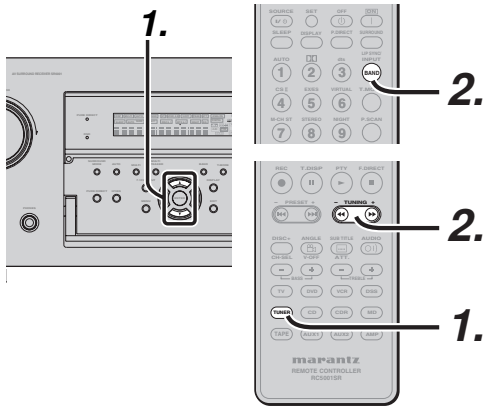
Note:

- If the information contains a character that cannot be recognized by that unit, the character will be displayed with “ ”(space).

SEARCH MODE

You can search for the channel you want to listen to using one of three search modes. You can also enter the number directly to select the desired channel.

ALL CHANNEL SEARCH MODE



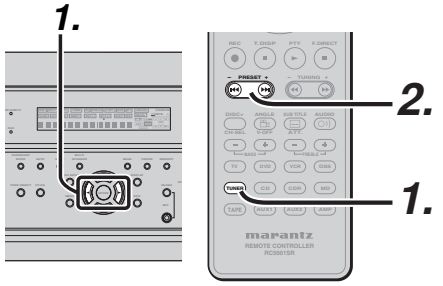
(Using the SR6001)

1. Press the ▲ or ▼ cursor button on the front panel to select the desired station.

(Using the remote control unit)

1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.
3. Press and hold the ◂◂ or ▸▸ button.

PRESET SEARCH MODE



(Using the SR6001)

1. Press the ◄ or ► cursor button on the front panel to select the desired preset station.

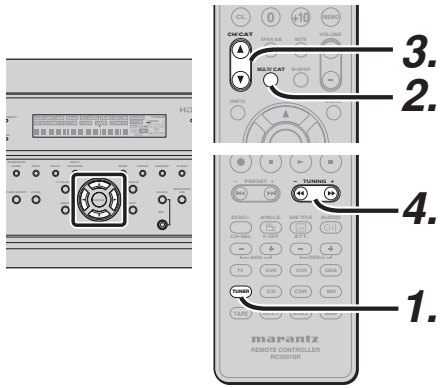
(Using the remote control unit)

1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.
3. |◂◂ or ▸▸| button to tune in the desired preset station.
Or enter the preset station number with the numeric buttons.

ENGLISH

CATEGORY SEARCH MODE

You can select the desired channel from the category allocated to each channel.
Category being aired can be only selected.



(Using the SR6001)

1. Press the **ENTER** button on the front panel.
2. Press the ◄ or ► button on the front panel to select the desired Category.
3. After selecting the Category, Press the ▲ or ▼ cursor button to select the desired station of the category.
4. You can return to the normal mode by press the **ENTER** button during Category Search Mode.

(Using the remote control unit)

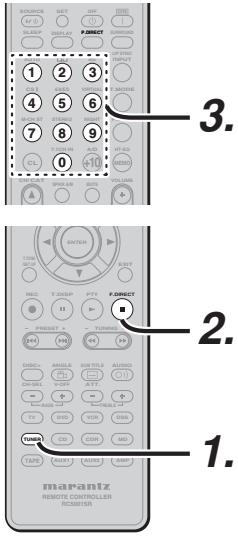
1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.
3. Press the **TUNER** button twice within two seconds on the remote.
4. Press the **MULTI/CAT** button.
5. Press the **CAT ▲** or **CAT ▼** button.
6. After selecting the category, Press the ◄◄ or ►► button to select the desired station of the category.
7. You can return to the normal mode by press the **MULTI/CAT** button during Category Search Mode.

Note:

Category search automatically ends 5 minutes after the last operation.

CHANNEL DIRECT CALL

You can select the desired channel by directly tapping the numeric keypads on the remote control unit.



1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.
3. Press the **TUNER** button twice within two seconds on the remote.
4. Press the **F.DIRECT** button.
   "**XM - - -**" will appear on the display.
5. Input the three digit number for your desired Channel with the numeric keypad on the remote control unit.
6. The desired channel will automatically be tuned.

Note:

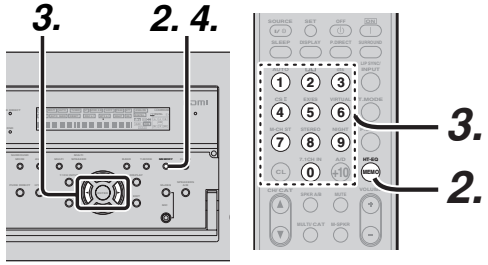
- If there is no input on the keypad for 5sec., the input is cancelled to return to the original display

Notes:

- "LOADING" is displayed while receiving the channel or information.
- "UPDATING" is displayed while updating encryption code.
- When the selected channel is not available, "XM - - -" is displayed.
- "OFF AIR" is displayed while air is suspended (e.g. midnight).

PRESET MEMORY

You can store the desired channel in the Preset Memory.
(You can preset 60 XM Radio stations in addition to FM/AM stations.)



(Using the SR6001)

1. Tune into the desired channel.
2. Press the **MEMORY** button on the front panel.
   "**- -**" (preset number) starts blinking on the display.

3. Select the preset number by pressing the ◄ or ► cursor buttons, While this is still blinking (approx. 5 seconds)

4. Press the **MEMORY** button again to enter.
   The display stops blinking.
   The station is now stored in the specified preset memory location.

(Using the remote control unit)

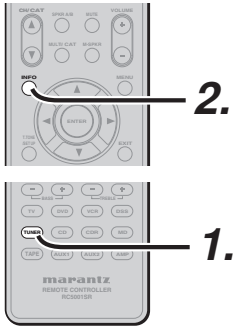
1. Tune into the desired channel.
2. Press the **MEMO** button on the remote. "**- -**" (preset number) starts blinking on the display.
3. Enter the desired preset number by pressing the **numeric** buttons.

Note:

- When entering a single digit number (2 for example), either input "02" or just input "2" and wait for a few seconds.

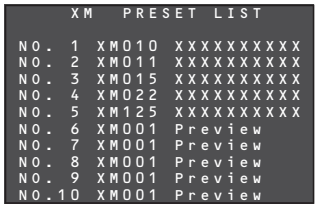
CHECKING THE XM PRESET CHANNEL

The preset channel can be checked on the on screen display.



(Using the remote control unit)

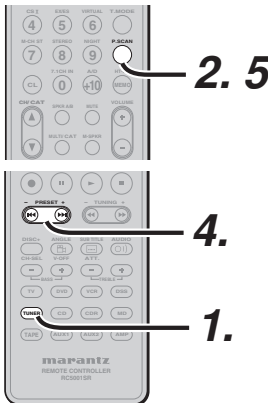
1. To select tuner, Press the **TUNER** button twice within two seconds on the remote.
2. Press the **BAND** button to select XM band.
3. Press the **TUNER** button twice within two seconds on the remote.
4. Press the **INFO** button. to view a list of tuner preset channel on the on screen display.
5. If there are 10 or more preset channel, Press the **INFO** button. again.



Note:

- The preset channel indication disappears in about 5 sec.

PRESET SCAN

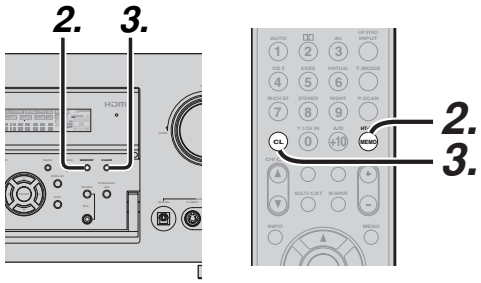


1. Press the **TUNER** button twice within two seconds on the remote.
2. Press the **P.SCAN**.
3. Preset stations are recalled in sequence (No.1 → No.2 → etc.) for about 5-10 seconds each. The time changes by the received condition. No stored preset number will be skipped.
4. Pressing the ►►I button during prescanning speeds up scanning.

   Also, pressing the I◄◄ button returns to the previous preset station.
5. When the desired preset station is received, cancel the preset scan operation by press the **P. SCAN** button.

CLEARING STORED PRESET STATIONS

You can remove preset stations from the memory using the following procedure.



1. Recall the preset number to be cleared with the method described in “PRESET SERCH MODE”.
2. Press the **MEMORY** button on the front panel or Press the **MEMO** button on the remote.
3. The stored preset number blinks in the display for 5 seconds. While blinking, Press the **CLEAR** button on the front panel or the remote **CL** button.
4. “**xx CLEAR**” appears on the display to indicate that the specified preset number has been cleared.

Notes:

- To clear all stored preset stations, press and hold the **CLEAR** (CL) and the **ENTER** buttons for two seconds.
- There are 50 preset channels prepared at the factory default. The 50 channels are all set to “CHANNEL 001”. Each channel can be stored in the preset memory. You can search for only the preset channels.

ENGLISH

MULTI ROOM SYSTEM

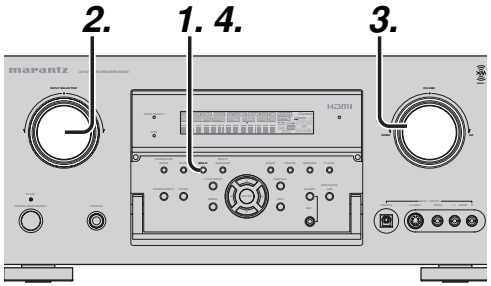
The Multiroom System mode allows the same source or different sources to be heard in two rooms other than where this receiver is installed.

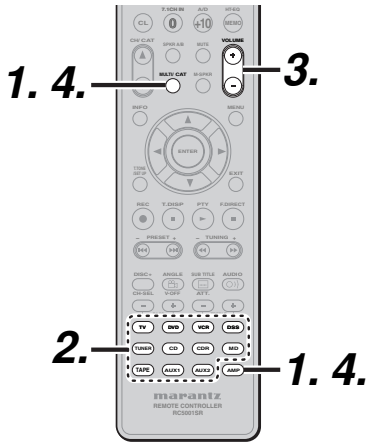
When using the multiroom system, the audio is output from the MULTI AUDIO output terminals and input to the MULTI ROOM amps.

If a surround channel back speaker or speaker C (see page 24) are not used in the room where this receiver is installed, the multi speaker system can be used with the amp for the surround back channel.

This receiver supports multiroom system functions such as source selectors, OSD menu systems, sleep timers and remote control.

MULTI ROOM PLAYBACK USING THE MULTI ROOM OUT TERMINALS





1. Press the **MULTI** button on the unit or remote control (after pressing the AMP button on the remote control). The unit enters MULTI ROOM mode, and the display indicates "**SELECT SOURCE**." The "MULTI" indicator will fl ash for about 10 seconds.
2. Select the input source using the INPUT SELECTOR knob or function button on the remote control.

   Then, the display indicates "**MULTI VOLUME**" "**MULTI VOL. xx**" for approx. 5 seconds.
3. During this time, you can set the volume level in the multi room as desired.

   This will only set the volume in the second room.
4. To cancel this function, press the **MULTI** button on the unit or remote control (after pressing the AMP button on the remote control).

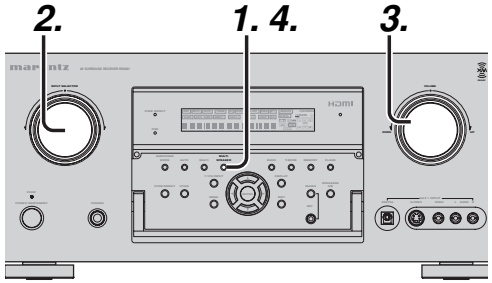
   "MULTI" indicator on the front panel will be turned off.

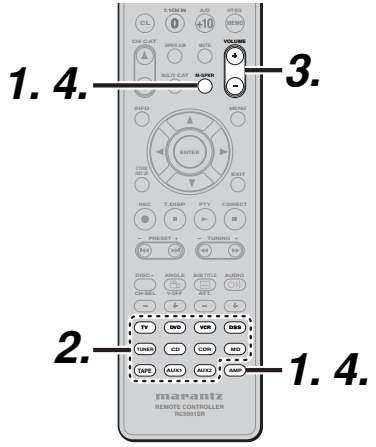
Note:

- The sleep timer, monaural output and other features can also be set using the MAIN MENU. (See page 41)

MULTI ROOM PLAYBACK USING THE MULTI SPEAKER TERMINALS

The SR6001 allows you to connect another set of speakers and place them in a different room or separated area for listening to music.





1. Press the **MULTI SPEAKER (M-SPKR)** button. The unit enters multi room speaker mode and the display indicates "**SELECT SOURCE**" and fl ashes the "**MULTI**" indicators for approx. 10 seconds.
2. Select the input source using the INPUT SELECTOR knob or function button on the remote control.

   Then, the display indicates "**MSPKR VOLUME**" "**MSPKR VOL.xx**" for approx. 5 seconds.
3. During this time, you can set the volume level in the multi room as desired.

   This will only set the volume in the multi room.
4. To cancel this function, press the MULTI button on the unit or remote control (after pressing the AMP button on the remote control).

   "MULTI" indicator on the front panel will be turned off.

Note:

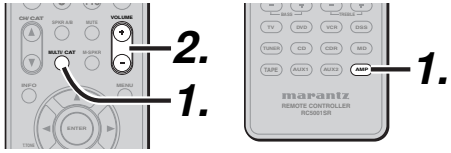
- The sleep timer, monaural output and other features can also be set using the MAIN MENU. (See page 41.)

Notes for Multi Room Speaker

- The MULTI ROOM SPEAKER output terminals can be used when Surround Back Speaker = "**NONE**" in the SPEAKER SETUP menu. (See SPEAKER SETUP, page 31)
- "**The Surr. Back Speakers are in use**" is displayed when the **MULTI SPEAKER** button is pressed when the Surround Back Speaker is not set to "**NONE**" in the SPEAKER SETUP menu. (See SPEAKER SETUP, page 31)
- The Multispeaker mode cannot be used at the same time as the speaker C. When connecting for multiroom use, set the **SPEAKER C** selector switch on the rear panel to OFF.

OPERATION OF THE MULTI ROOM OUTPUTS WITH THE REMOTE CONTROL FROM MULTI ROOM

Multi Room output can be operated from a room where the receiver is not installed. This requires a separately sold IR receiver. (For connections, see page 24.)



1. Press **MULTI** on the multi room remote control from the MULTI ROOM.

(Press the **AMP** button first to enter the AMP mode then press the **MULTI** button.)

This operations will put the SR6001 into multi room mode and "**MULTI**" will be illuminated on the display.

2. Press the **VOLUME+** or **VOLUME–** button on the multi room remote control to set the desired volume.

3. In multi room mode, the multi room remote control can be used in the multiroom to operate the following functions.

General:

Controlling volume level, sleep timer, and muting. SeIecting input audio and video source.

Tuner:

Selecting band, controlling preset channel up and down, tuning up and down direct frequency call.

Notes for the Multi Room System

- The MULTI ROOM OUT (MULTI OUT/MULTI SPEAKER) has analog outputs.

  This does not support digital input signals.
- If the Tuner (FM or AM) is active in the main room, you can not control any function of the tuner.In this case, You must listen to the same station as the main room.
- When the component with RC-5 bus is connected to the MULTI RC IN jack(see page 24), Multiroom can be operated using the RC codes for the main room. The remote control units of other Marantz products can also be used to control multiroom.

TROUBLESHOOTING

In case of trouble, check the following before calling for service:

1. Are the connections made properly ?
2. Are you operating the unit properly following the user's guide ?
3. Are the power amplifiers and speaker working properly ?

If the unit does not operate properly, check items shown in the following table.
If your trouble cannot be recovered with the remedy actions listed in the following table, malfunction of the internal circuitry is suspected; immediately unplug the power cable and contact your dealer, nearest Marantz authorized dealer or the Marantz Service Center in your country.

SYMPTOM	CAUSE	REMEDY
SR6001 cannot be turned up.	The power plug is not connected.	Connect the power plug to the outlet.
No sound and picture are output even when power is on.	Mute is on.	Cancel mute using the remote control unit.
	The input cable is not connected correctly.	See the connection diagram and connect the cables correctly.
	The master volume control is turned all the way down.	Adjust the master volume.
	The function selector position is wrong.	Select correct position.
No speaker output.	The headphones are connected to the headphone jack.	Disconnect the headphones. (Speakers will not output sound when headphones are connected.)
Incorrect Audio or Video for selected source.	Input cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
Incorrect Audio from a channel.	Speaker cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
No Audio output from the center channel speaker.	The center speaker cable connection is incomplete.	Connect the cable correctly.
	STEREO has been selected for Surround mode.	When STEREO is selected for Surround mode, no sound will be output from the center speaker. Set another Surround mode.
	Center = NONE has been selected in SETUP mode.	Make the correct setting.
No Audio output from the surround speakers.	The surround speaker cable connection is incomplete.	Connect the cable correctly.
	STEREO has been selected for Surround mode.	When STEREO has been selected for Surround mode, no sound will be output from the surround speaker. Set another Surround mode.
	Surround = NONE has been selected in SETUP mode.	Make the correct setting.
No Audio output from the surround back speakers.	The surround back speaker cable connection is incomplete.	Connect the cable correctly.
	Surround mode is not EX/ES mode.	Set surround mode EX/ES.
	Surround back = NONE has been selected in SPEAKERS SIZE SETUP	Make the correct setting.
Can not select EX/ES mode.	Surround center= NONE has been selected in SPEAKERS SIZE SETUP	Make the correct setting.
	Input signal is incompatible.	Use 5.1channel source.
Can not select Pro Logic IIx mode.	Input signal is incompatible.	Use 2 channel Dolby Digital input signal, PCM input signal or analog input signal.
Can not select Neo:6 mode.	Input signal is incompatible.	Use 2 channel DTS input signal, PCM input signal or analog input signal.
Can not select CSII mode.	Input signal is incompatible.	Use 2 channel Dolby Digital input signal, PCM input signal or analog input signal.
No output to Subwoofer Out.	Subwoofer = NONE has been selected in SETUP mode.	Select Subwoofer = YES.
Noise is produced during DTS-encoded CD or laser disc play.	Analog has been selected for input.	Be sure to perform digital connection, select digital input, then play.
A specific channel does not produce output.	Nothing recorded on source.	Check the encoded channel on the source side.
FM or AM reception fails.	Antenna connection is incomplete.	Correctly connect the indoor FM and AM antennas to FM and AM antenna outlets.
Noise is heard during AM reception.	Reception is affected by other electrical fields.	Try changing location where the AM indoor antenna is set up.
Noise is heard during FM reception.	The radio waves from the broadcasting station are weak.	Install an FM outdoor antenna.
Cannot get programmed station when the PRESET button is pressed.	Preset data has been erased.	Disconnecting power plug for long periods of time will erase preset data. If that happens, input the preset data again.
Control with the remote control unit fails.	Batteries are consumed.	Replace all the batteries with new ones.
	Remote controller's function-key setting is wrong.	Select different position from which equipment will be controlled.
	The distance between this SR6001 and the remote commander is too far.	Move closer to this SR6001.
	Something is blocking SR6001 and the remote commander.	Remove offending object.
Auto Setup (SPEAKER SETUP) is not working.	Headphones are connected.	Disconnect the headphones.

Note:

- After "PROTECT" appears on the unit's display, the standby indicator may start flashing. If it does, there is a problem in the unit or the connection. If this problem reoccurs even when power is activated from the remote control unit, call for servicing.

HDMI

SYMPTOM	CAUSE	REMEDY
The display does not appear over an HDMI connection.	The connected monitor or projector does not support HDCP.	
	The HDMI input of on the TV is not on.	Set HDMI input so that it turns on, as explained in the TV's instruction manual.
	The HDMI output on the source component (DVD, Set Top Box, etc.) is not on.	Set HDMI output so that it turns on, as explained in the source component's instruction manual.
	The HDMI mode is not correctly set on the SR6001.	Set HDMI input on the FUNC INPUT SETUP menu as explained on page 29.
	The HDMI output video resolution of the source component (DVD, Set Top Box, etc.) does not match the TV specifications.	Set the resolution so that it matches, as explained in the instruction manuals of both components.
	The device is connected with a non-standard HDMI cable.	A 5 m or shorter cable is recommended to ensure stable operation and prevent image quality deterioration.
	Power to the SR6001 is off. (When the SR6001 is on standby, HDMI connections cannot be turned on.)	Turn on the power to the SR6001.
	The connection between HDMI components was not authenticated.	Shut off and then turn the power back on to the SR6001, TV and source component.
Time is needed for the display of an HDMI connection to appear.	The connection is being authenticated between the HDMI devices.	There is nothing wrong with the system. Some HDMI devices require time for authentication.
Audio is not played back over an HDMI connection.	The HDMI audio output of the source component (DVD, Set Top Box, etc.) is not on.	Set the HDMI audio output so that it turns on, as explained in the source component's instruction manual.
	The signal format of the source component (DVD, Set Top Box, etc.) is not supported by the SR6001.	Set the HDMI audio output so that it can connect to the SR6001, as explained in the source component's instruction manual.
	The SR6001 is set to the HDMI audio "THROUGH" mode.	In the "THROUGH" mode, sound is not produced from the SR6001. Set it to "ENABLE". (see page 40)
DVD-Audio is not played back over an HDMI connection.	The DVD player does not support CPPM, therefore it cannot output HDMI audio.	• Use a DVD-Audio player that supports CPPM. • Turn on PCM downsampling on the DVD player. • Use an analog connection.

TROUBLESHOOTING

If a problem should arise, first check the following.

1. Are the connections correct?
2. Have you operated the receiver according to the operating instructions?
3. Are the speakers and other components operating properly?

If this unit is not operating properly, Check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

SYMPTOM	CAUSE	REMEDY
"ANTENNA" is displayed.	XM terminal and the XM Mini-Tuner and Home Dock is not properly connected.	Check that the connection are correct.
"NO SIGNAL" is displayed.	The signal cannot be received.	Reposition your XM Mini-Tuner and Home Dock.
Receiving only XM channels 0 and 1.	The XM Tuner is not activated.	Contact XM Radio.

GENERAL MALFUNCTION

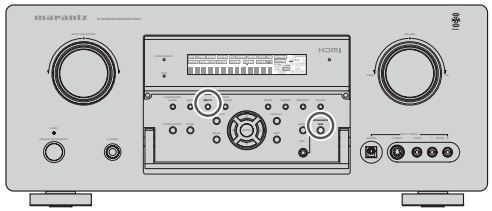
If the equipment malfunctions, this may be because an electrostatic discharge or AC line interference has corrupted the information in the equipment memory circuits. Therefore:

- disconnect the plug from the AC line supply
- after waiting at least three minutes, reconnect the plug to the AC line supply
- re-attempt to operate the equipment

Memory backup

- In case a power outage occurs or the power cord is accidentally unplugged, the SR6001 is equipped with a backup function to prevent memory data such as the preset memory from being erased.

HOW TO RESET THE UNIT



Should the operation or display seem to be abnormal, reset the unit with the following procedure.
The SR6001 is turned on, press and hold the **MULTI + SPEAKERS A/B** buttons simultaneously for 3 seconds or more.
Remember that the procedure will reset the settings of the function selector, Surround mode, delay time, TUNER PRESET etc., to their initial settings.

TECHNICAL SPECIFICATIONS

FM TUNER SECTION

Frequency Range ..... 87.5 – 108.0 MHz
Usable Sensitivity ..... IHF 1.8 µV/16.4 dBf
Signal to Noise Ratio ..... Mono/Stereo 75/70 dB
Distortion..... Mono/Stereo 0.2/0.3 %
Stereo Separation..... 1 kHz 45 dB
Alternate Channel Selectivity..... ± 300 kHz 60 dB
Image Rejection..... 98 MHz 70 dB
Tuner Output Level ..... 1 kHz, ± 75 kHz Dev 800 mV

AM TUNER SECTION

Frequency Range ..... 520 – 1710 kHz
Signal to Noise Ratio ..... 50 dB
Usable Sensitivity ..... Loop 400µV
Distortion..... 400Hz, 30 % Mod. 0.5 %
Selectivity..... ± 20 kHz 70 dB

AUDIO SECTION

Power Output (20 Hz – 20 kHz/THD=0.08%)
Front L&R ..... 8 ohms 100 W / Ch
Center ..... 8 ohms 100 W / Ch
Surround L&R ..... 8 ohms 100 W / Ch
Surround Back L&R ..... 8 ohms 100 W / Ch

Front L&R ..... 6 ohms 120 W / Ch
Center ..... 6 ohms 120 W / Ch
Surround L&R ..... 6 ohms 120 W / Ch
Surround Back L&R ..... 6 ohms 120 W / Ch

Input Sensitivity/Impedance..... 168 mV/ 47 Kohms
Signal to Noise Ratio(Analog Input / Pure Direct) .... 105 dB
Frequency Response
(Analog Input / Pure Direct)
..... 8 Hz – 100 kHz (± 3 dB)
(Digital Input / 96 kHz PCM)
..... 8 Hz – 45 kHz (± 3 dB)

VIDEO

Television Format..... NTSC
Input Level/Impedance ..... 1 Vp-p/75 ohms
Output Level/Impedance..... 1 Vp-p/75 ohms
Video Frequency Response ..... 5 Hz to 8 MHz (– 1 dB)
Video Frequency (Component) .... 5 Hz to 80 MHz (– 1 dB)
S/N..... 60 dB

HDMI

Version..... 1.2 [INPUT]
..... 1.1 [OUTPUT]

GENERAL

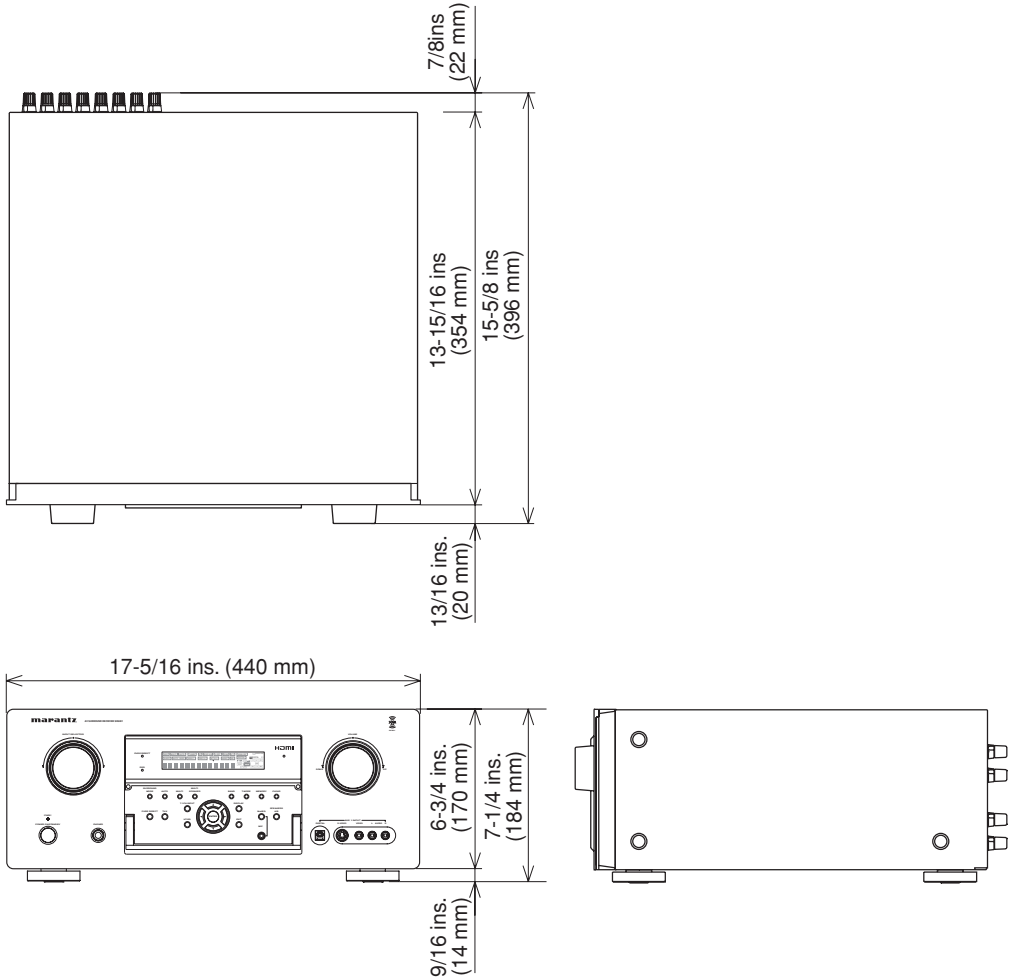
Power Requirement..... AC 120 V 60 Hz
Power Consumption 6.3A
Weight..... 33.1lbs (15.0 kg)

ACCESSORIES

Remote Control Unit RC5001SR..... 1
AAA-size batteries 2
FM Antenna 1
AM Loop Antenna 1
Front AUX Jack Cover 1
AC cable 1

Specifications subject to change without prior notice.

DIMENSIONS



SETUP CODES

TV

VCR

DVD

DSS

www.marantz.com

You can find your nearest authorized distributor or dealer on our website.

marantz® is a registered trademark.

Printed in China

12/2006 00M25CW851250 mzh-d